

# Actuator

92-  
456.500

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# 92-456.500

## Actuator

### FRONT

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:	Green
Lens material:	Plastic
Lens illumination:	Non illuminated
Lens shape:	Flush
Lens optics:	opaque

### 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 CHARACTERISTIC

**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:**  $\geq 1$  Mil. cycles of operation

**Operating force:**  $2.7 \text{ N} \pm 1 \text{ N}$  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 switching element (fluxproof to DIN 41640 Part 84), IP67 or IP40 front side

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

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

**Shock resistance:** Max.  $500 \text{ m/s}^2$ , pulse width, 3-axis (sinusoidal EN IEC 60068-2-27)

**Vibration resistance:** Max.  $100 \text{ m/s}^2$  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

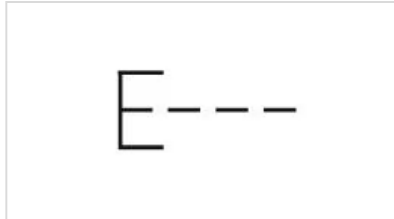
**Short Description:** Actuator, 18,4 mm x 18,4 mm, Flush, Non illuminated, Green, Plastic, opaque, Square, Black, Plastic, Momentary, IP40

**Dimension:** 18.4 mm x 18.4 mm

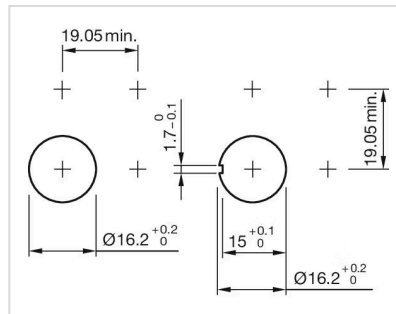
**Housing colour:** White

**Housing material:** Plastic

**Wiring diagrams:**



**Mounting cut-outs:**



**Dimension drawings:**

