

Your Expert Partner for Human Machine Interfaces

## Actuator

92-443.700









https://mouser.eao.com/p/92-443.700

### Your product:



# 92-443.700 Actuator

#### FRONT

Front dimension:	18,8 mm x 18,8 mm
Front form:	Square
Front bezel colour:	Black
Front bezel material:	Plastic

#### MOUNTING

Design:	PCB
Mounting type:	Panel mounting

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

Lens colour:	Colourless
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 ±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:	IP67
IP Protection:	IP67 front side
Operating temperature:	– 25 °C + 70 °C
Storage temperature:	– 40 °C + 80 °C
Shock resistance:	Max. 500 m/s <sup>2</sup> , pulse width, 3-axis (sinusoidal EN IEC 60068-2-27)
Vibration resistance:	Max. 100 m / $\rm s^2$ 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, 18,8 mm x 18,8 mm, Flush, Illuminated, Colourless, Plastic, transparent,
Square, Black, Plastic, Momentary, IP67, White

Dimension:

18.8 mm x 18.8 mm

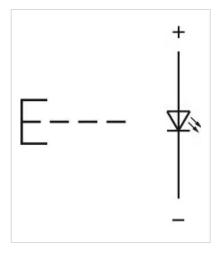
Housing colour:

Housing material:

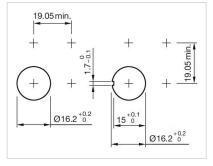
Wiring diagrams:

White

Plastic



#### Mounting cut-outs:



#### **Dimension drawings:**

