

Actuator

92-
441.800

Distribution by
Farnell



<https://farnell.eao.com/p/92-441.800>

Your product:



92-441.800
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:	Grey
Lens material:	Plastic
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 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:	0.002 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 ² , pulse width, 3-axis (sinusoidal EN IEC 60068-2-27)
Vibration resistance:	Max. 100 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, 18,8 mm x 18,8 mm, Flush, Grey, Plastic, opaque, Square, Black, Plastic, Momentary, IP67
Dimension:	18.8 mm x 18.8 mm
Housing colour:	White

Plastic

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Technical drawing of a shaft with two shaft-hub connections. The shaft has a diameter of 16.2 mm with a tolerance of $+0.2/0$. The first connection is a transition fit with a tolerance zone of $0/-0.1$ mm and a length of 19.05 mm. The second connection is a clearance fit with a tolerance zone of $+0.1/0$ mm and a length of 15 mm. The total length of the shaft is 34.05 mm.

3.4 IP 40
4 IP 67

4 max.

12

3.6