

Actuator

92-
456.200

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Farnell



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Your product:



92-456.200

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:	Red
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 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 switching element (fluxproof to DIN 41640 Part 84), IP67 or IP40 front side

Operating temperature: - 25 °C ... + 70 °C

Storage temperature: - 40 °C ... + 80 °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, Red, Plastic, opaque, Square, Black, Plastic, Momentary, IP40

Dimension: 18.4 mm x 18.4 mm

White

Plastic

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Technical drawing of a shaft-hub assembly. The shaft has a diameter of $\varnothing 16.2^{+0.2}_0$ mm. The hub has a bore diameter of $\varnothing 16.2^{+0.2}_0$ mm. The fit is indicated as $17^{-0.1}_0$ mm. The total length of the assembly is 19.05 mm. The distance from the left face of the hub to the center of the shaft is 19.05 mm. The distance from the right face of the hub to the center of the shaft is 15 mm. The distance from the left face of the hub to the right face of the hub is 19.05 mm.