

# Actuator

92-  
456.200

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Mouser



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92-456.200  
Actuator

#### FRONT

|                              |                   |
|------------------------------|-------------------|
| <b>Front dimension:</b>      | 18,4 mm x 18,4 mm |
| <b>Front form:</b>           | Square            |
| <b>Front bezel colour:</b>   | Black             |
| <b>Front bezel material:</b> | Plastic           |

#### MOUNTING

|                       |                |
|-----------------------|----------------|
| <b>Design:</b>        | PCB            |
| <b>Mounting type:</b> | Panel mounting |

#### OPERATING-/INDICATION PART

|                           |                 |
|---------------------------|-----------------|
| <b>Lens colour:</b>       | Red             |
| <b>Lens material:</b>     | Plastic         |
| <b>Lens illumination:</b> | Non illuminated |
| <b>Lens shape:</b>        | Flush           |
| <b>Lens optics:</b>       | opaque          |

#### ELECTRICAL CHARACTERISTICS

|   |  |  |
|---|--|--|
| <b>Switching voltage and switching current:</b> | Switching voltage<br>Switching current<br>Power rating                 | min. 50 m VAC/DC<br>max. 42 VAC/DC<br>min. 10 $\mu$ A AC/DC<br>max. 100 mA AC/DC<br>max. 2 W |
| <b>Switching rating:</b>                        | 42 V   |  |
| <b>Electrical lifetime:</b>                     | 500 000 cycles of operation at 42VDC, 50mA, according to IEC 6512-5-9c |  |
| <b>Electric strength:</b>                       |  |  |

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

**Electrostatic discharge (ESD):** 15 kV

## MECHANICAL CHARACTERISTICS

|                             |   |
|-----------------------------|---|
| <b>Switching action:</b>    | Momentary   |
| <b>Switching system:</b>    | Short-travel element  |
| <b>Switching system:</b>    | Short-travel switching system with 2 independent contact points<br>Guarantees reliable switching even of very light loads. Fitted with 1 normally open contact. |
| <b>Mechanical lifetime:</b> | ≥1 Mil. cycles of operation   |
| <b>Operating force:</b>     | 2.7 N ±1 N switching element, 5 N lens  |
| <b>Operating Travel:</b>    | ca. 0.4 mm switching element  |
| <b>Tightening torque:</b>   | Fixing nut max. 0.5 Nm, Fixing screw mounting flange 0.4 Nm   |
| <b>Weight:</b>              | 0.004 kg  |

## AMBIENT CONDITION

|                               |  |
|-------------------------------|--|
| <b>IP front protection:</b>   | IP40   |
| <b>IP Protection:</b>         | IP40 switching element (fluxproof to DIN 41640 Part 84), IP67 or IP40 front side                   |
| <b>Operating temperature:</b> | – 25 °C ... + 70 °C  |
| <b>Storage temperature:</b>   | – 40 °C ... + 80 °C  |
| <b>Shock resistance:</b>      | Max. 500 m/s <sup>2</sup> , pulse width, 3-axis (sinusoidal EN IEC 60068-2-27)                     |
| <b>Vibration resistance:</b>  | Max. 100 m / s <sup>2</sup> from 10 Hz ... 500 Hz, 10 cycles, 3-axis (sinusoidal EN IEC 60068-2-6) |

## CERTIFICATE

|                      |   |
|----------------------|---|
| <b>Approbations:</b> | CQC   |
| <b>Conformities:</b> | CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD) |
| <b>REACH:</b>        | REACH compliant                                       |
| <b>RoHS:</b>         | RoHS compliant  |

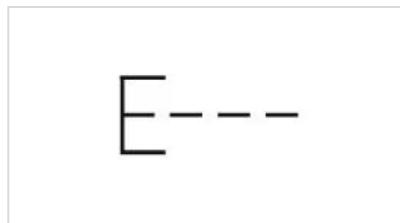
## OTHER

|                           |  |
|---------------------------|--|
| <b>Short Description:</b> | Actuator, 18,4 mm x 18,4 mm, Flush, Non illuminated, Red, Plastic, opaque, Square, Black, Plastic, Momentary, IP40 |
| <b>Dimension:</b>         | 18.4 mm x 18.4 mm  |

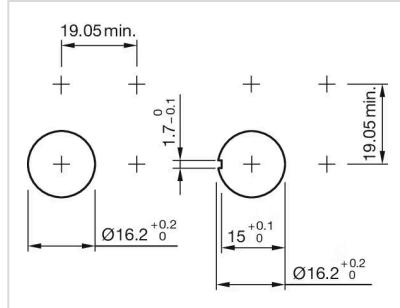
**Housing colour:** White

**Housing material:** Plastic

**Wiring diagrams:**



**Mounting cut-outs:**



**Dimension drawings:**

