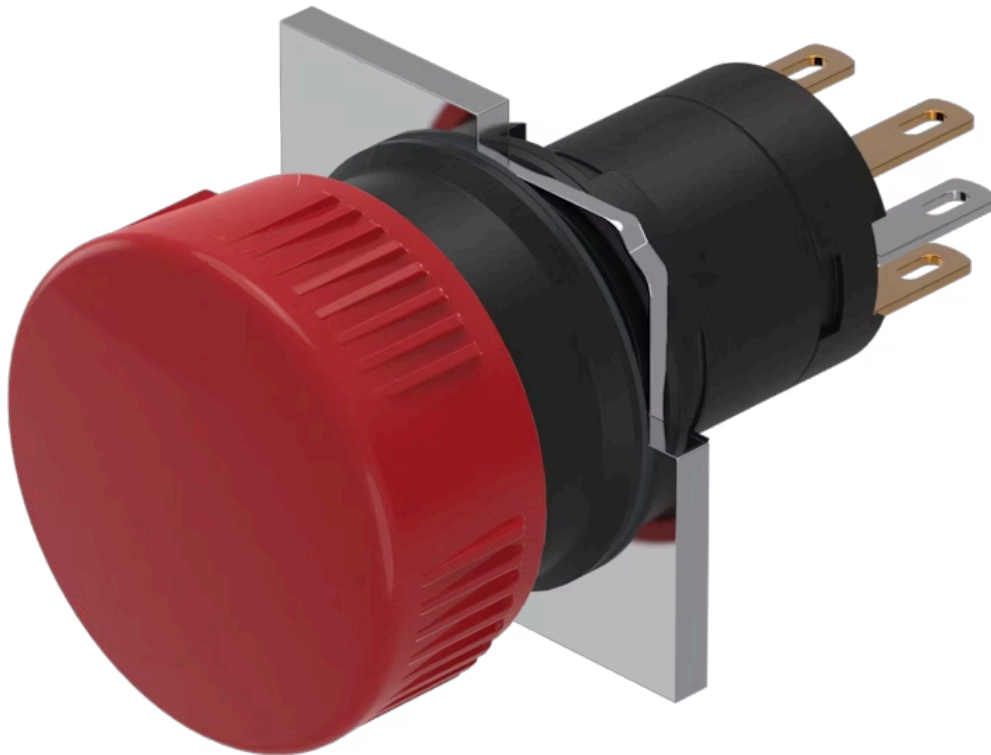


# Actuator

51-  
153.0222

Distribution by  
DigiKey

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Your product:

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## 51-153.0222 Actuator

### FRONT

<b>Front bezel material:</b>	Plastic
<b>Front dimension:</b>	Ø 24,5 mm
<b>Front bezel colour:</b>	Black

### MOUNTING

<b>Design:</b>	raised
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### OPERATING-/INDICATION PART

<b>Lens shape:</b>	mushroom-head
<b>Lens colour:</b>	Red
<b>Lens material:</b>	Plastic
<b>Lens illumination:</b>	non illuminative
<b>Lens optics:</b>	opaque

### ELECTRICAL CHARACTERISTICS

<b>Protection class:</b>	II
<b>Standards:</b>	According to EN/IEC 61058-1
<b>Rated Operational Voltage <math>U_e</math>:</b>	250 VAC/DC according to EN IEC 60947-1
<b>Electrical lifetime:</b>	50 000 cycles of operation
<b>Thermal current <math>I_{th}</math>:</b>	5 A, according to EN / IEC 60947-5-1 The maximum current in continuous operation and at ambient temperature not exceeding the quoted maximum values.
<b>Electric strength:</b>	2500 VAC, 50 Hz, 1 min. between all terminals and earth, according to IEC 61058-1, part 15

**Contacts:** 1 NC / 1 NO

## MECHANICAL CHARACTERISTIC

**Tightening torque:** Fixing nut max. 0.5 Nm

**Wire cross section:** Snap-action switching element with axial soldering terminals, which can also be used as plug-in terminals 2.8 x 0.5mm  
Max. wire diameter 2 wires of 1 mm  
Max. wire cross-section of stranded cable 2 of 0.75 mm<sup>2</sup> or 1 x 1.0 mm<sup>2</sup>

**Weight:** 0.008 kg

**Mechanical lifetime:** 2 Mio. cycles of operation

**Contact material:** Gold

**Terminal:** Plug-in terminal, 2.8 x 0.5 mm

**Switching action:** Momentary

**Switching system:** Snap-action switching element

**Operating Travel:** 3 mm

**Operating force:** 4 N ... 6 N

**Switching system:** Self-cleaning, double-break snap action switching system, 1 normally closed and 1 normally open contact per element.

## AMBIENT CONDITION

**Vibration resistance:** 10 g at 10 Hz...1500 Hz, amplitude 0.75 mm (Sinusoidal), according to DIN EN 60512-4-4, DIN EN 60068-2-6

**Operating temperature:** - 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely

**Climate resistance:** Standard condition, as per DIN EN 60068-2-30  
Changing condition, as per DIN EN 60068-2-14

**Storage temperature:** - 40 °C ... + 85 °C

**Shock resistance:** 15 g for 11 ms, as per DIN / EN 60512-4-3, DIN / EN 60068-2-27 (Single impacts, semi-sinusoidal)

**IP front protection:** IP65, according to DIN EN 60529

## CERTIFICATE

**Approbations:** CB (IEC 61058-1), CQC, CSA, DNV, ENEC (EN 61058-1), UL

**Conformities:** CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 30 / EU (EMC), 2014 / 35 / EU (LVD)

## OTHER

**Short Description:**

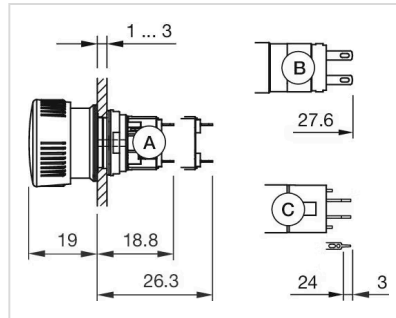
Actuator, Ø 24,5 mm, mushroom-head, non illuminative, Red, Plastic, opaque, Black, Plastic, 1 NC / 1 NO, Momentary, Plug-in terminal, 2.8 x 0.5 mm, IP65, according to DIN EN 60529

**max. number of switching elements:** 1

**Hints:** If the anti-twist ring is not used the panel thickness increases to 4 mm

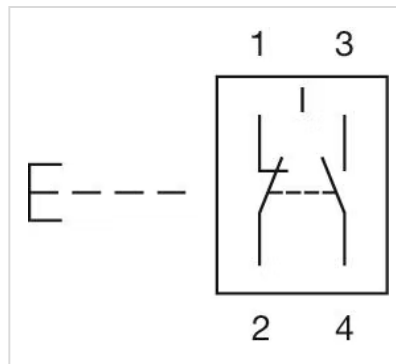
**Housing colour:** Black

**Dimension drawings:**



A = Solder terminal  
 B = Plug-in terminal 2.8 mm x 0.5 mm  
 C = Universal terminal 2.0 mm x 0.5 mm

**Wiring diagrams:**



**Mounting cut-outs:**

