

# Actuator

14-

131.0252

Distribution by Mouser









## 14-131.0252 Actuator

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Front form: Round

**MOUNTING** 

Mounting type: Panel mounting

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

Lens illumination: Illuminated

### **ELECTRICAL CHARACTERISTICS**

Switching voltage and switching 250

current:

250 VAC, 5 A (ohmic)

250 VAC, 3 A (Soldering terminal) 250 VAC, 2 A (inductive, cos(phi) = 0.7) 220 VDC, 0.1 A (inductive, L:R = 30 ms) 110 VDC, 0.2 A (inductive, L:R = 30 ms) 60 VDC, 0.7 A (inductive, L:R = 30 ms) 24 VDC, 2 A (inductive, L:R = 30 ms)

Contacts: 1 NC / 1 NO

**Rated Operational Voltage Ue:** 250 VAC/DC according to EN IEC 61058-1

Switching rating:  $250 \lor @ 3 A$ 

**Electrical lifetime:** 50 000 cycles of operation

Electric strength: 3000 VAC, 50 Hz, 1 min. between all terminals and earth, according to EN/IEC

61058-1

Protection class:

**Standards:** According to EN/IEC 61058-1

**Thermal current Ith:**The maximum current in continuous operation and at ambient temperature not

exceeding the quoted maximum values.

3 A

#### **MECHANICAL CHARACTERISTICS**

**Terminal:** Soldering terminal

Contact material: Gold

Switching action: Momentary

Switching system: Snap-action switching element

Switching system: Self-cleaning, double-break snap action switching system, 1 normally closed and 1

normally open contact per element.

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

**Operating force:** 3 N ... 6 N, depending on the number of switching elements

Operating Travel: 3 mm

**Tightening torque:** Fixing nut max. 0.25 Nm

**Weight:** 0.015 kg

#### **AMBIENT CONDITION**

**IP front protection:** IP67, according to DIN EN 60529

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

Storage temperature:  $-40 \, ^{\circ}\text{C} \, ... + 85 \, ^{\circ}\text{C}$ 

Shock resistance: Max. 150 m / s<sup>2</sup>, pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-

2-27)

Vibration resistance: Max. 100 m / s² from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6)

Climate resistance: Standard condition, as per DIN EN 60068-2-78

Standard cyclic, as per DIN IEC 60068-2-30

#### CERTIFICATE

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

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

**REACH:** REACH compliant

RoHS: RoHS compliant

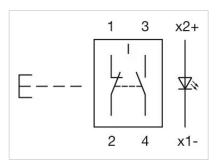
#### **OTHER**

**Short Description:** Actuator, Illuminated, Round, 1 NC / 1 NO, Momentary, Soldering terminal, IP67,

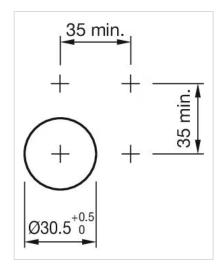
according to DIN EN 60529

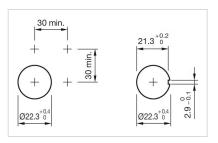
Housing colour: Black

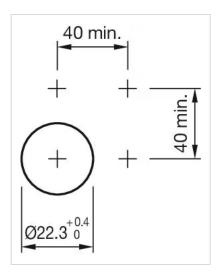
Wiring diagrams:

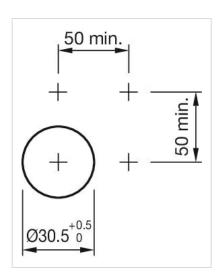


Mounting cut-outs:

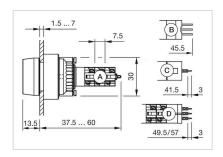




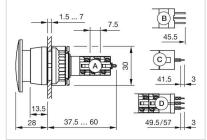




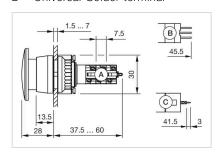
Dimension drawings:



- A = Solder terminal
- $B = Plug-in terminal 2.8 \times 0.5 mm$
- C = Universal terminal 2.0 mm x 0.5 mm
- D = Universal-Solder terminal



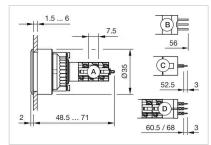
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A = Solder terminal

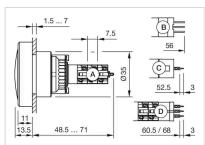
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Universal-Solder terminal



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- B = Plug-in terminal 2.8 x 0.5 mm
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