# Actuator

14-
475.036

Your product:

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# Actuator

## OPERATING-/INDICATION PART

**Lens illumination:** illuminative

## ELECTRICAL CHARACTERISTICS

**Contacts:** 1 NO

**Electric strength:** 3000 VAC, 50 Hz, 1 min. between all terminals and earth, according to EN/IEC 61058-1

**Protection class:** II

**Switching voltage and switching current:** 100 mA at 42 VAC/VDC

## MECHANICAL CHARATERISTIC

**Operating Travel:** 3 mm

**Wire cross section:** Max. wire diameter 2 wires of 1 mm
Max. wire cross-section of stranded cable 2 x 0.75 mm$^2$

**Switching system:** This low-level switching element was designed for switching low powers in electronic circuits. The mechanism assures reliable switching of loads ranging from a few µA/µV up to 100 mA/ 42 VAC/DC.
Single-break momentary contact, as normally open or normally closed with 4 independent points of contact. 2 momentary contactsper switching element; combination of normally open and normally closed is possible.
Special features are the long life, extremely short rebound time and stable contact resistance.

**Switching action:** Maintained

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

**Operating force:** 3 N … 4 N, depending on the number of switching elements

**Weight:** 0.015 kg

**Mechanical lifetime:** 1 Mio. cycles of operation

**Switching system:** Low-level element

| Contact material: | Gold |
|---|---|
| Terminal: | Universal terminal, 2 x 0.5 mm |

## AMBIENT CONDITION

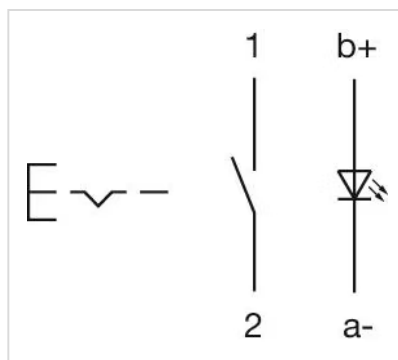| IP front protection: | IP67, according to DIN EN 60529 |
|---|---|
| Storage temperature: | – 40 °C … + 85 °C |
| Operating temperature: | – 25 °C … + 55 °C, mounted as a block, make sure the heat can escape freely |
| Shock resistance: | Max. 150 m / s$^2$, pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27) |

## CERTIFICATE

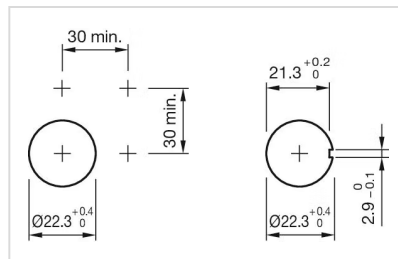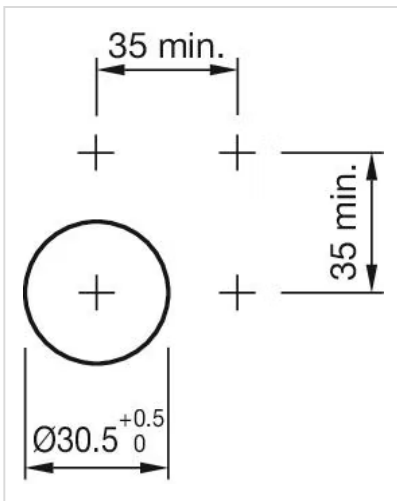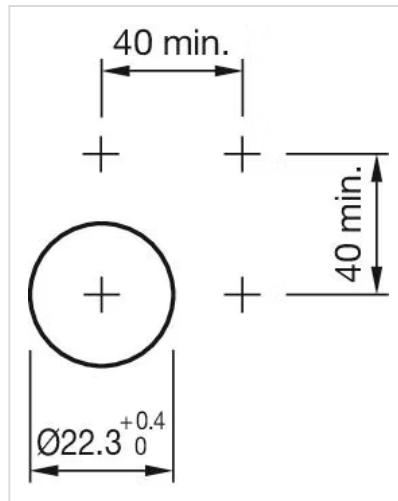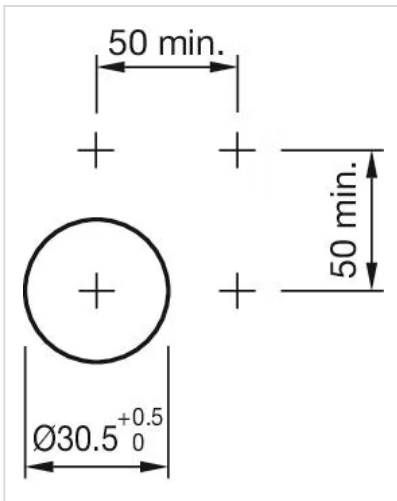| Conformities: | 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD) |
|---|---|

## OTHER

| Short Description: | Actuator, illuminative, 1 NO, Maintained, Universal terminal, 2 x 0.5 mm, IP67, according to DIN EN 60529 |
|---|---|
| Housing colour: | Black |

**Wiring diagrams:**



**Mounting cut-outs:**

50 min.

50 min.

$\varnothing 30.5^{+0.5}_{0}$

40 min.

40 min.

$\varnothing 22.3^{+0.4}_{0}$

35 min.

35 min.

$\varnothing 30.5^{+0.5}_{0}$

30 min.

30 min.

$\varnothing 22.3^{+0.4}_{0}$

$21.3^{+0.2}_{0}$

$\varnothing 22.3^{+0.4}_{0}$

$2.9^{0}_{-0.1}$

**Dimension drawings:**

**Component layouts:**