

Actuator

14-
431.036

Distribution by
Mouser



<https://mouser.eao.com/component/14-431.036/e...>

Your product:



14-431.036
Actuator

FRONT

Front form: Round

MOUNTING

Mounting type: Panel mounting

OPERATING-/INDICATION PART

Lens illumination: Illuminated

ELECTRICAL CHARACTERISTICS

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

Contacts: 2 NO

Switching rating: 42 V @ 0,1 A

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

Protection class: II

MECHANICAL CHARACTERISTICS

Terminal: Universal terminal, 2 x 0.5 mm

Contact material: Gold

Switching action: Momentary

Switching system: Low-level element

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 μ A/ μ V 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 contacts per 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.

| | |
|-----------------------------|--|
| Mechanical lifetime: | 5 Mil. cycles of operation |
| Operating force: | 3 N ... 4 N, depending on the number of switching elements |
| Operating Travel: | 3 mm |
| Tightening torque: | Fixing nut max. 0.25 Nm |
| Terminal details 1: | The universal terminals permit these units to be mounted on printed circuit boards (PCB). These terminals can also be used as soldering or plug-in terminals. For these terminals we can also supply a plug-in base which, when soldered on to the board, enables the switch to be plugged in. |
| Wire cross section: | Max. wire diameter 2 wires of 1 mm Max. wire cross-section of stranded cable 2 x 0.75 mm ² |
| Weight: | 0.016 kg |

AMBIENT CONDITION

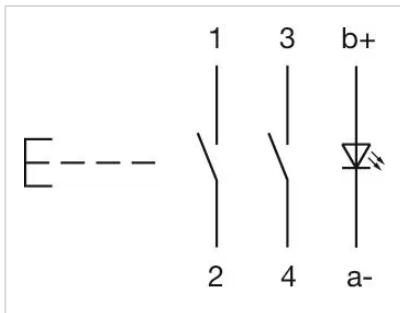
| | |
|-------------------------------|---|
| IP front protection: | IP67, according to DIN EN 60529 |
| Operating temperature: | - 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely |
| Storage temperature: | - 40 °C ... + 85 °C |
| Shock resistance: | Max. 150 m / s ² , pulse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

CERTIFICATE

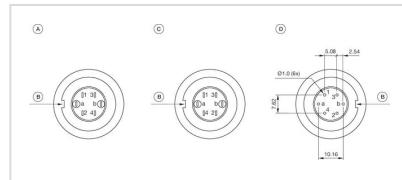
| | |
|----------------------|---|
| Conformities: | 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD) |
| REACH: | REACH compliant |
| RoHS: | RoHS compliant |

OTHER

| | |
|---------------------------|--|
| Short Description: | Actuator, Illuminated, Round, 2 NO, Momentary, Universal terminal, 2 x 0.5 mm, IP67, according to DIN EN 60529 |
| Housing colour: | Black |
| Wiring diagrams: | |

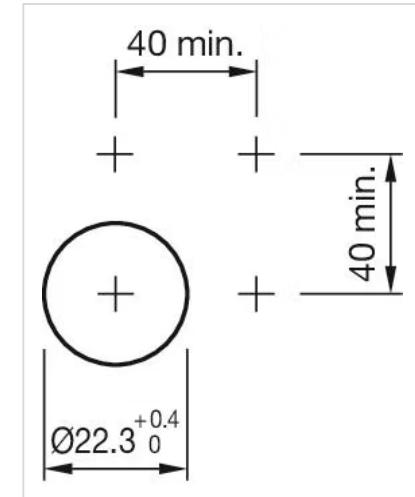
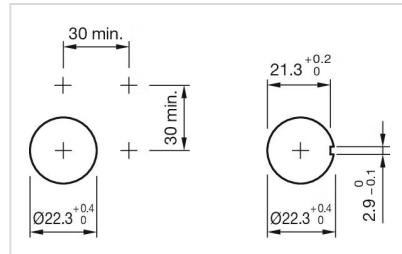
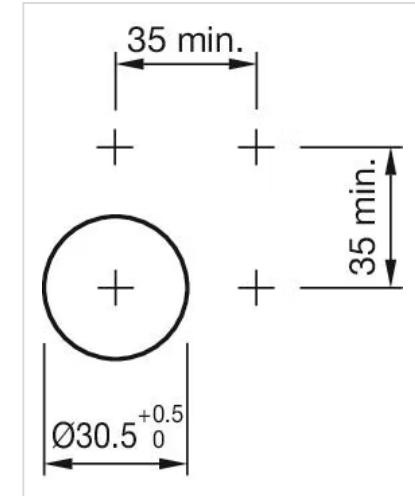
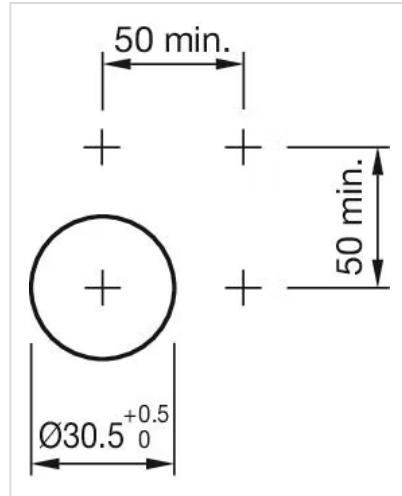


Component layouts:

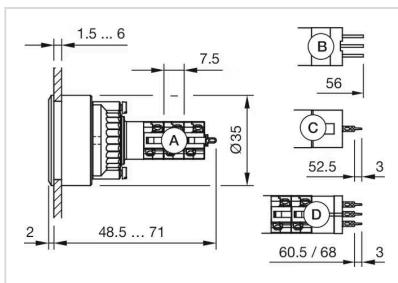


A = Terminals (rear side)
 B = Anti twist device
 C = Diode block
 D = Drilling plan (component side)

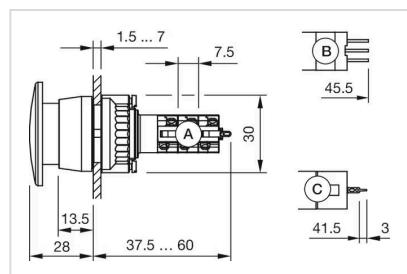
Mounting cut-outs:



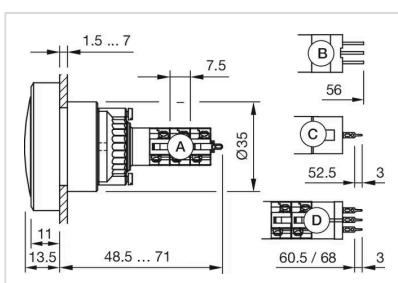
Dimension drawings:



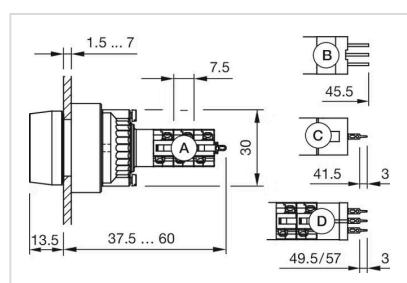
A = Solder terminal
B = Plug-in terminal 2.8 x 0.5 mm
C = Universal terminal 2.0 mm x 0.5 mm
D = Universal-Solder terminal



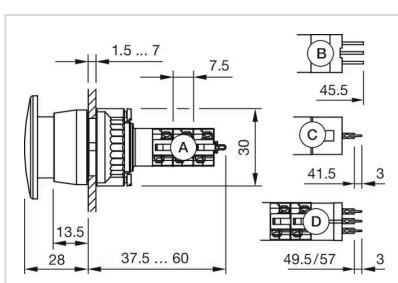
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