

Actuator

14-

433.036











14-433.036 Actuator

FRONT	
Front form:	Round
MOUNTING	
Mounting type:	Panel mounting
OPERATING-/INDICATION PART	
Lens illumination:	Illuminated
ELECTRICAL QUARACTERISTICS	
ELECTRICAL CHARACTERISTICS Switching voltage and switching	
Switching voltage and switching current:	100 mA at 42 VAC/VDC
Contacts:	1 NC / 1 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:	
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 $\mu A/\mu V$ 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 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.

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 mm²

Weight: 0.016 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: $-40 \, ^{\circ}\text{C} \dots + 85 \, ^{\circ}\text{C}$

Shock resistance: Max. 150 m / s², 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

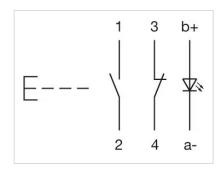
OTHER

Short Description: Actuator, Illuminated, Round, 1 NC / 1 NO, Momentary, Universal terminal, 2 x 0.5

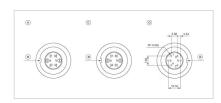
mm, IP67, according to DIN EN 60529

Housing colour: Black

Wiring diagrams:



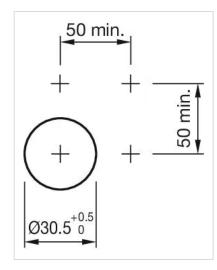
Component layouts:

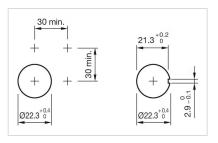


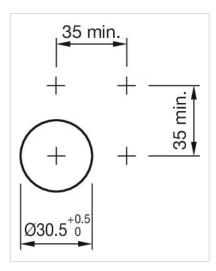
A = Terminals (rear side) B = Anti twist device

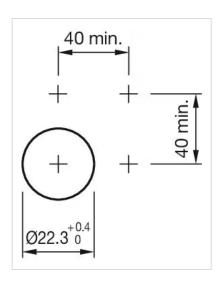
C = Diode block
D = Drilling plan (component side)

Mounting cut-outs:

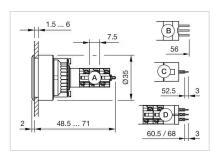








Dimension drawings:

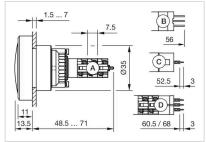


A = Solder terminal

 $B = Plug-in terminal 2.8 \times 0.5 mm$

C = Universal terminal 2.0 mm x 0.5 mm

Universal-Solder terminal

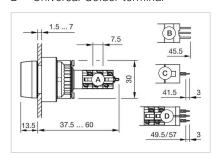


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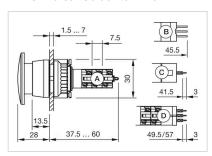


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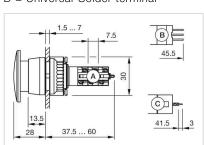


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