Actuator

14-
435.036

Your product:

14-435.036
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: 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: 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 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.

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

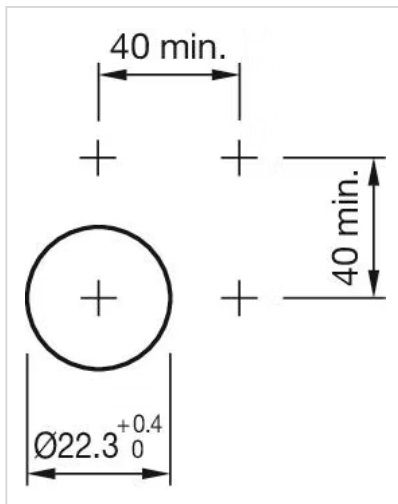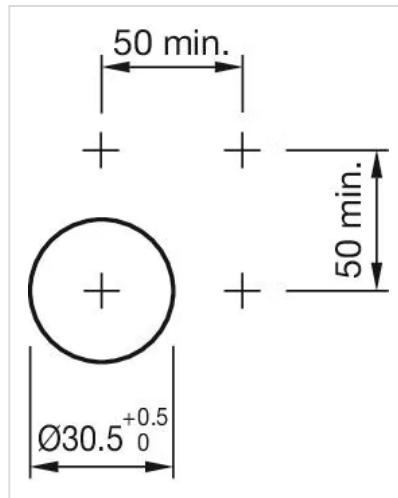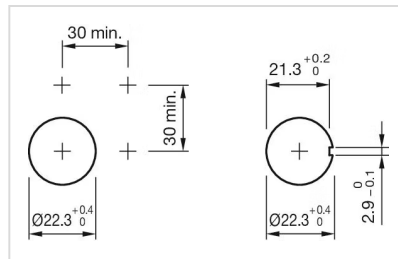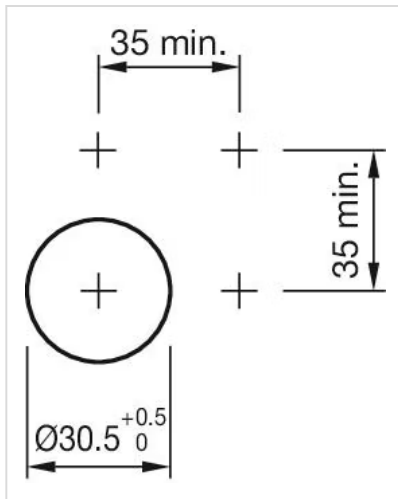|	
IP front protection:	IP67, according to DIN EN 60529
Operating temperature:	– 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely
Storage temperature:	– 40 °C ... + 85 °C
Shock resistance:	Max. 150 m / s^2, pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27)

CERTIFICATE

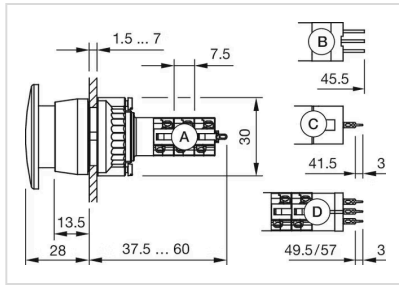|	
Conformities:	2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
REACH:	REACH compliant
RoHS:	RoHS compliant

OTHER

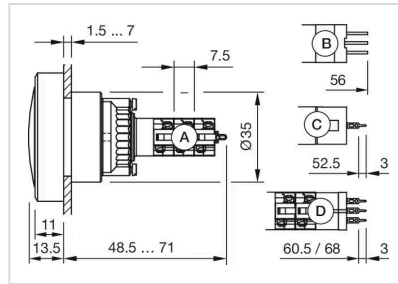|	
Short Description:	Actuator, Illuminated, Round, 1 NO, Momentary, Universal terminal, 2 x 0.5 mm, IP67, according to DIN EN 60529
Housing colour:	Black
Wiring diagrams:	

Component layouts:

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

Mounting cut-outs:

35 min.

35 min.

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

30 min.

30 min.

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

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

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

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

50 min.

50 min.

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

40 min.

40 min.
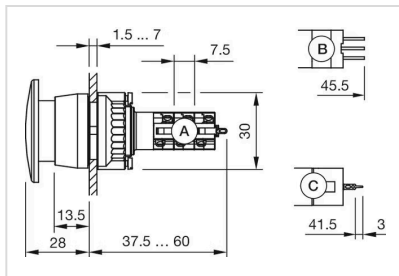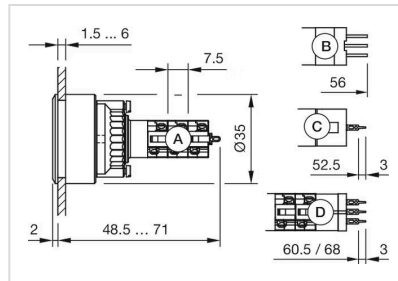
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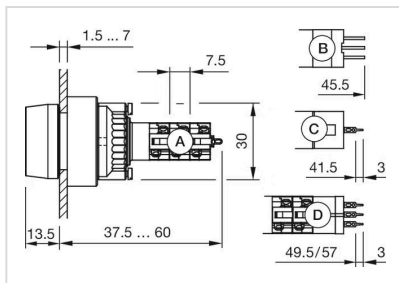
Dimension drawings:

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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