# Actuator

14-
517.0360

## 14-517.0360
## Actuator

**FRONT**

| | |
|---|---|
| **Front form:** | Round |
| **Front bezel colour:** | Nature |
| **Front bezel material:** | Aluminium |

**MOUNTING**

| | |
|---|---|
| **Mounting type:** | Panel mounting |

**OPERATING-/INDICATION PART**

| | |
|---|---|
| **Lever colour:** | Black |
| **Lever material:** | plastic |
| **Lever shape:** | short |

**ELECTRICAL CHARACTERISTICS**

| | |
|---|---|
| **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:** | ll |

**MECHANICAL CHARACTERISTICS**

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

Gold

| | |
|---|---|
| **Switching action:** | Rest - 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.<br>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.<br>Special features are the long life, extremely short rebound time and stable contact resistance. |
| **Switching positions:** | 2 positions |
| **Switching angle:** | 42° right |
| **Mechanical lifetime:** | 5 Mil. cycles of operation |
| **Operating force:** | 3 N … 4 N, depending on the number of switching elements |
| **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.<br>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<br>Max. wire cross-section of stranded cable 2 x 0.75 mm$^2$ |
| **Weight:** | 0.025 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

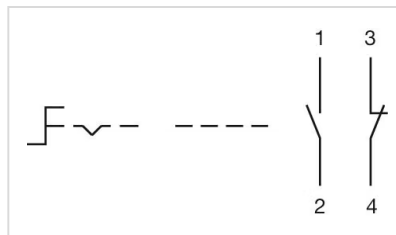| | |
|---|---|
| **Short Description:** | Actuator, non illuminative, Black, short, Round, Nature, Aluminium, anodised, 1 NC / 1 NO, Rest - Momentary, Universal terminal, 2 x 0.5 mm, IP67, according to DIN |

**Hints:**                                  The colour of anodised aluminium parts can vary due to technical production reasons
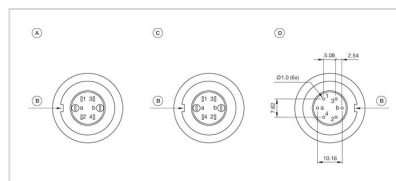
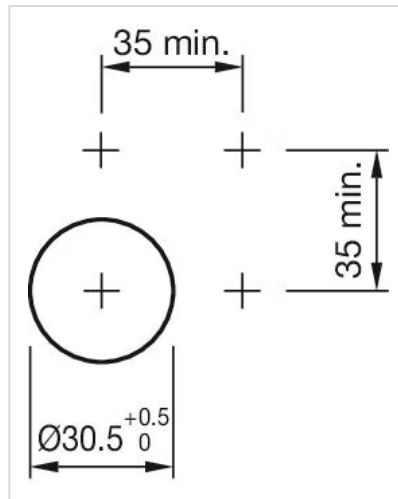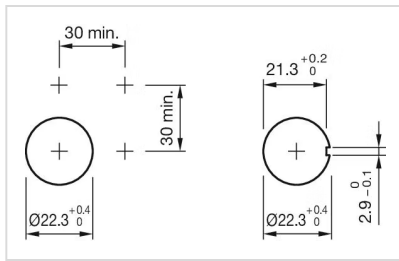**Switching positions:**
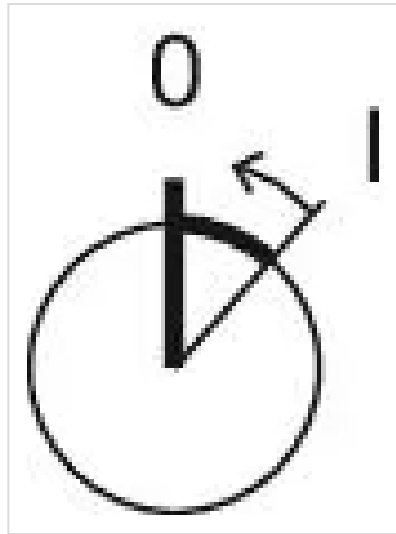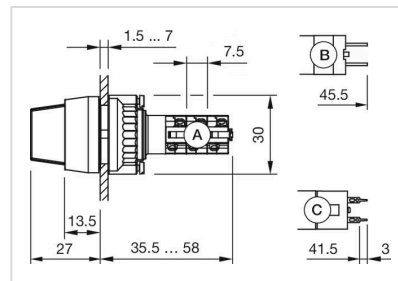


**Wiring diagrams:**



**Component layouts:**



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

**Mounting cut-outs:**

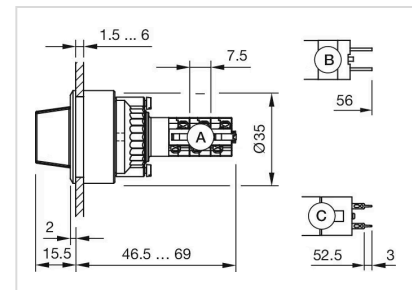30 min.

30 min.

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

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

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

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

35 min.

35 min.

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

**Dimension drawings:**

1.5 ... 7

7.5

B

45.5

A

30

C

13.5

27

35.5 ... 58

41.5

3

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

1.5 ... 6

7.5

B

56

A

$\varnothing 35$

C

2

15.5

46.5 ... 69

52.5

3

41.5

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