

# Actuator

14-  
502.02502

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## 14-502.02502

### Actuator

#### FRONT

**Front bezel material:** Aluminium

**Front bezel colour:** Nature

#### OPERATING-/INDICATION PART

**Lever shape:** short

**Lever colour:** Black

**Lever material:** plastic

#### ELECTRICAL CHARACTERISTICS

**Electrical lifetime:** 50 000 cycles of operation

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

**Thermal current I<sub>th</sub>:** The maximum current in continuous operation and at ambient temperature not exceeding the quoted maximum values.  
3 A

**Protection class:** II

**Contacts:** 2 NC / 2 NO

**Rated Operational Voltage U<sub>e</sub>:** 250 VAC/DC according to EN IEC 61058-1

**Switching voltage and switching current:**

- 250 VAC, 5 A (ohmic)
- 250 VAC, 3 A (Soldering terminal)
- 250 VAC, 2 A (inductive, cos(phi) = 0.7)
- 220 VDC, 0.1 A (inductive, L:R = 30 ms)
- 110 VDC, 0.2 A (inductive, L:R = 30 ms)
- 60 VDC, 0.7 A (inductive, L:R = 30 ms)
- 24 VDC, 2 A (inductive, L:R = 30 ms)

**Standards:** According to EN/IEC 61058-1

## MECHANICAL CHARACTERISTIC

<b>Switching angle:</b>	42° right
<b>Weight:</b>	0.026 kg
<b>Tightening torque:</b>	Fixing nut max. 0.25 Nm
<b>Mechanical lifetime:</b>	2 Mio. cycles of operation
<b>Terminal:</b>	Soldering terminal
<b>Contact material:</b>	Gold
<b>Operating force:</b>	3 N ... 6 N, depending on the number of switching elements
<b>Switching system:</b>	Snap-action switching element
<b>Switching action:</b>	Rest - Momentary
<b>Operating Travel:</b>	ca. 42°
<b>Switching positions:</b>	2 positions
<b>Switching system:</b>	Self-cleaning, double-break snap action switching system, 1 normally closed and 1 normally open contact per element.

## AMBIENT CONDITION

<b>Climate resistance:</b>	Standard condition, as per DIN EN 60068-2-78 Standard cyclic, as per DIN IEC 60068-2-30
<b>Vibration resistance:</b>	Max. 100 m / s <sup>2</sup> from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6)
<b>Storage temperature:</b>	– 40 °C ... + 85 °C
<b>Operating temperature:</b>	– 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely
<b>Shock resistance:</b>	Max. 150 m / s <sup>2</sup> , pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27)
<b>IP front protection:</b>	IP67, according to DIN EN 60529

## CERTIFICATE

<b>Conformities:</b>	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
<b>Approbations:</b>	CB (IEC 61058-1), CQC, CSA, DNV, EAC, ENEC (EN 61058-1), UL, VDE

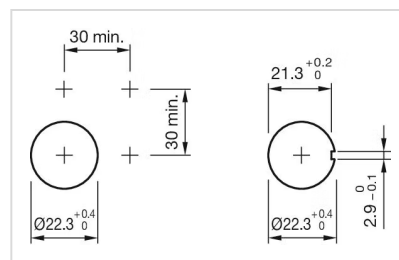
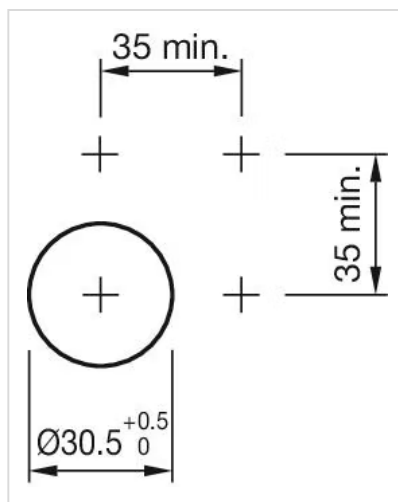
## OTHER

<b>Short Description:</b>	Actuator, non illuminative, Black, short, Nature, Aluminium, anodised, 2 NC / 2 NO, Rest - Momentary, Soldering terminal, IP67, according to DIN EN 60529
<b>Hints:</b>	The colour of anodised aluminium parts can vary due to technical production reasons

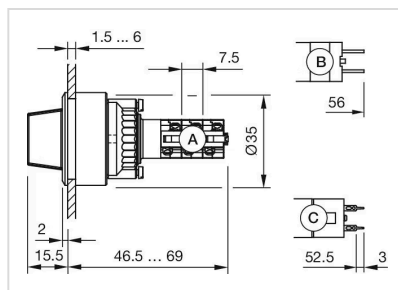
max. number of switching  
elements:

2

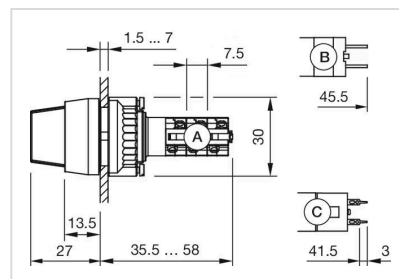
Mounting cut-outs:



Dimension drawings:

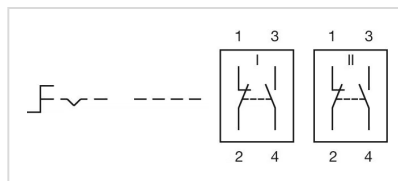


A = Solder terminal  
B = Plug-in terminal 2.8 x 0.5 mm  
C = Universal terminal 2.0 mm x 0.5 mm



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Wiring diagrams:



Switching positions:

