

Actuator

14-
507.02502



<https://eao.com/p/14-507.02502>

Your product:



14-507.02502 Actuator

FRONT

Front bezel material:	Aluminium
Front form:	round
Front bezel colour:	Nature

MOUNTING

Mounting type:	Panel mounting
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OPERATING-/INDICATION PART

Lever material:	plastic
Lever shape:	short
Lever colour:	Black

ELECTRICAL CHARACTERISTICS

Electric strength:	3000 VAC, 50 Hz, 1 min. between all terminals and earth, according to EN/IEC 61058-1
Rated Operational Voltage U_e :	250 VAC/DC according to EN IEC 61058-1
Thermal current I_{th} :	The maximum current in continuous operation and at ambient temperature not exceeding the quoted maximum values. 3 A
Electrical lifetime:	50 000 cycles of operation
Standards:	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)

Contacts: 2 NC / 2 NO

Switching rating: 250 V @ 3 A

Protection class: II

MECHANICAL CHARACTERISTIC

Switching action: Rest - Maintained

Operating force: 3 N ... 6 N, depending on the number of switching elements

Terminal: Soldering terminal

Contact material: Gold-plated silver

Tightening torque: Fixing nut max. 0.25 Nm

Switching system: Self-cleaning, double-break snap action switching system, 1 normally closed and 1 normally open contact per element.

Switching system: Snap-action switching element

Switching angle: 90° right

Weight: 0.026 kg

Switching positions: 2 positions

Operating Travel: ca. 90°

Mechanical lifetime: 1 Mio. cycles of operation

AMBIENT CONDITION

Vibration resistance: Max. 100 m / s² from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6)

Operating temperature: – 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely

IP front protection: IP67, according to DIN EN 60529

Storage temperature: – 40 °C ... + 85 °C

Shock resistance: Max. 150 m / s², pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27)

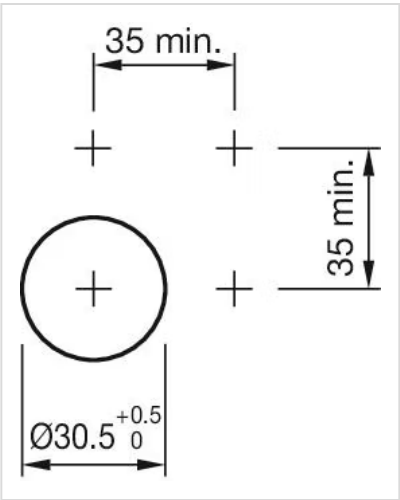
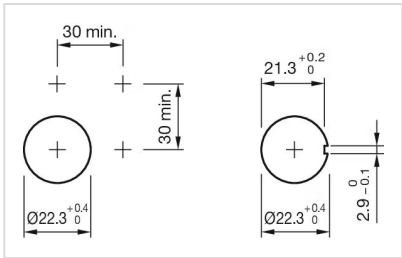
Climate resistance: Standard condition, as per DIN EN 60068-2-78
Standard cyclic, as per DIN IEC 60068-2-30

CERTIFICATE

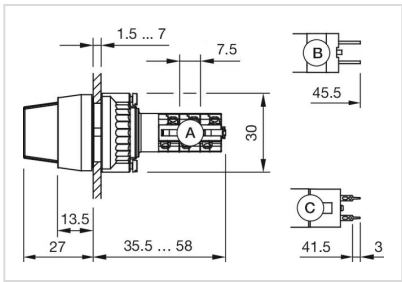
REACH:	REACH compliant
Approbations:	CB (IEC 61058-1), CQC, CSA, DNV, EAC, ENEC (EN 61058-1), UL, VDE
RoHS:	RoHS compliant
Conformities:	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)

OTHER

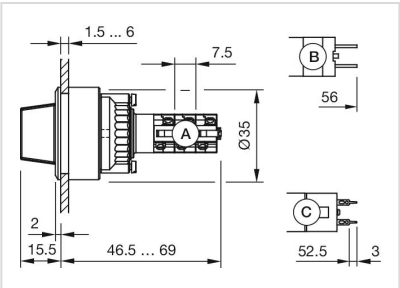
max. number of switching elements:	2
Hints:	The colour of anodised aluminium parts can vary due to technical production reasons
Short Description:	Actuator, non illuminative, Black, short, round, Nature, Aluminium, anodised, 2 NC / 2 NO, Rest - Maintained, Soldering terminal, IP67, according to DIN EN 60529
Mounting cut-outs:	



Dimension drawings:

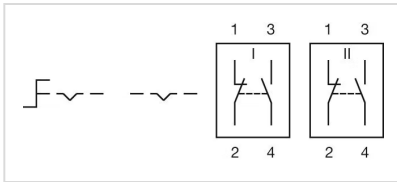


A = Solder terminal
 B = Plug-in terminal 2.8 x 0.5 mm
 C = Universal terminal 2.0 mm x 0.5 mm



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Wiring diagrams:



Switching positions:

