Your Expert Partner for **Human Machine Interfaces**

Actuator

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14-
506.02502



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Your product:



14-506.02502
Actuator

FRONT

Front bezel colour:	Nature
Front bezel material:	Aluminium

OPERATING-/INDICATION PART

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

ELECTRICAL CHARACTERISTICS

Contacts:	1 NC / 1 NO
Switching voltage and switching current:	250 VAC, 5 A (ohmic) 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)
Protection class:	II
Thermal current Ith:	5 A, according to EN / IEC 60947-5-1 The maximum current in continuous operation and at ambient temperature not exceeding the quoted maximum values.
Standards:	According to EN/IEC 61058-1
Electric strength:	3000 VAC, 50 Hz, 1 min. between all terminals and earth, according to EN/IEC 61058-1
Electrical lifetime:	50 000 cycles of operation
Rated Operational Voltage Ue:	250 VAC/DC according to EN IEC 61058-1

MECHANICAL CHARATERISTIC

Operating force:	3 N ... 6 N, depending on the number of switching elements
Terminal:	Soldering terminal
Tightening torque:	Fixing nut max. 0.25 Nm
Operating Travel:	ca. 90°
Switching angle:	90° right
Contact material:	Gold-plated silver
Switching system:	Snap-action switching element
Mechanical lifetime:	1 Mio. cycles of operation
Switching action:	Rest - Maintained
Switching positions:	2 positions
Weight:	0.024 kg
Switching system:	Self-cleaning, double-break snap action switching system, 1 normally closed and 1 normally open contact per element.

AMBIENT CONDITION

IP front protection:	IP67, according to DIN EN 60529
Climate resistance:	Standard condition, as per DIN EN 60068-2-78 Standard cyclic, as per DIN IEC 60068-2-30
Vibration resistance:	Max. 100 m / s^2 from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6)
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)
Operating temperature:	– 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely

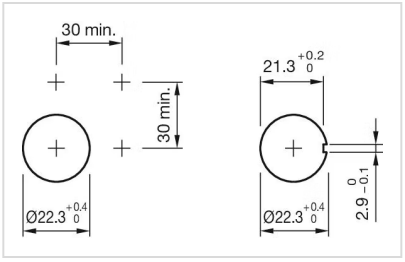
CERTIFICATE

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

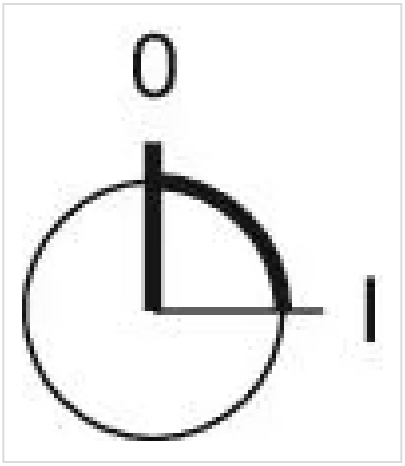
OTHER

max. number of switching elements:	1
Short Description:	Actuator, non illuminative, Black, short, Nature, Aluminium, anodised, 1 NC / 1 NO, Rest - Maintained, Soldering terminal, IP67, according to DIN EN 60529
Hints:	The colour of anodised aluminium parts can vary due to technical production reasons

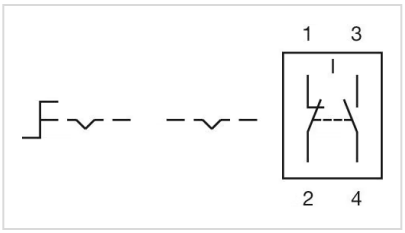
Mounting cut-outs:



Switching positions:



Wiring diagrams:



Dimension drawings:

