

Actuator

14-
131.022



<https://eao.com/p/14-131.022>

Your product:



14-131.022 Actuator

MOUNTING

Design: raised

OPERATING-/INDICATION PART

Lens illumination: illuminative

ELECTRICAL CHARACTERISTICS

Electric strength: 3000 VAC, 50 Hz, 1 min. between all terminals and earth, 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)

Electrical lifetime: 50 000 cycles of operation

Thermal current I_{th}: The maximum current in continuous operation and at ambient temperature not exceeding the quoted maximum values.
3 A

Standards: According to EN/IEC 61058-1

Contacts: 1 NC / 1 NO

Protection class: II

Rated Operational Voltage U_e: 250 VAC/DC according to EN IEC 61058-1

MECHANICAL CHARACTERISTIC

Switching action: Momentary

Contact material: Gold

Switching system:	Self-cleaning, double-break snap action switching system (contact opening width 2 mm x 0.5 mm), 1 normally closed and 1 normally open contact per element.
Operating force:	3 N ... 6 N
Mechanical lifetime:	2 Mio. cycles of operation
Weight:	0.013 kg
Terminal:	Plug-in terminal, 2.8 x 0.5 mm
Operating Travel:	3 mm
Tightening torque:	Fixing nut max. 0.25 Nm
Switching system:	Snap-action switching element

AMBIENT CONDITION

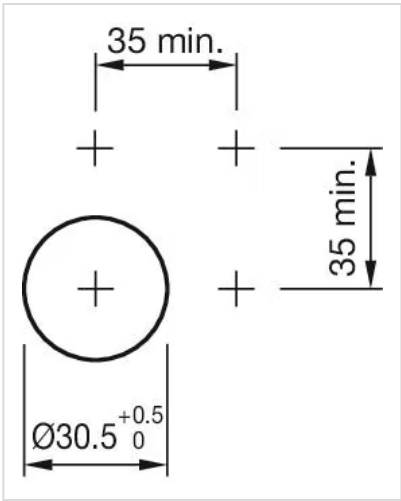
Storage temperature:	- 40 °C ... + 85 °C
IP front protection:	IP67, according to DIN EN 60529
Operating temperature:	- 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely
Vibration resistance:	Max. 100 m / s ² from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6)
Shock resistance:	Max. 150 m / s ² , 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

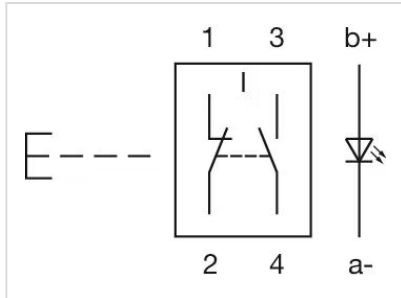
Conformities:	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
Approbations:	CB (IEC 61058-1), CQC, CSA, DNV, EAC, ENEC (EN 61058-1), UL, VDE

OTHER

Short Description:	Actuator, illuminative, 1 NC / 1 NO, Momentary, Plug-in terminal, 2.8 x 0.5 mm, IP67, according to DIN EN 60529
max. number of switching elements:	1
Housing colour:	Black
Mounting cut-outs:	



Wiring diagrams:



Dimension drawings:

