

Actuator

51-
455.036F



<https://www.eao.com/p/51-455.036F>

Your product:



51-455.036F Actuator

MOUNTING

Design:	Flush
Mounting type:	Panel mounting

OPERATING-/INDICATION PART

Lens illumination:	Illuminated
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ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:	100 mA at 42 VAC/VDC
Contacts:	1 NO
Switching rating:	42 V @ 0,1 A
Electric strength:	2500 VAC, 50 Hz, 1 min. between all terminals and earth, according to IEC 61058-1, part 15

MECHANICAL CHARACTERISTICS

Terminal:	Universal terminal, 2 x 0.5 mm
Contact material:	Gold
Switching action:	Momentary
Switching system:	Low-level element

Switching system:	<p>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 $\mu\text{A}/\mu\text{V}$ up to 100 mA/ 42 VAC/DC.</p> <p>Single-break momentary contact, as normally open or normally closed with 4 independent points of contact. 2 momentary contacts per switching element; combination of normally open and normally closed is possible.</p> <p>Special features are the long life, extremely short rebound time and stable contact resistance.</p>
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Mechanical lifetime:

5 Mil. cycles of operation

Operating force: 1,8 ... 3,5 N

Operating Travel: 3 mm

Tightening torque: Fixing nut max. 0.5 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. 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.

Weight: 0.016 kg

AMBIENT CONDITION

IP front protection: IP65, 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: 15 g for 11 ms, as per DIN / EN 60512-4-3, DIN / EN 60068-2-27 (Single impacts, semi-sinusoidal)

CERTIFICATE

REACH: REACH compliant

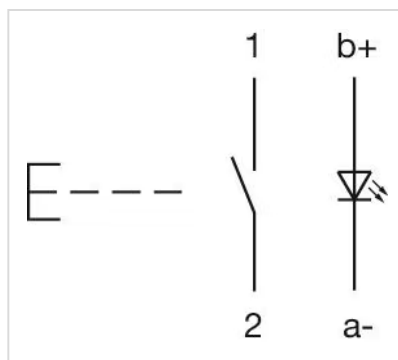
RoHS: RoHS compliant

OTHER

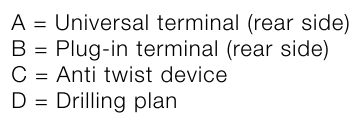
Short Description: Actuator, Illuminated, 1 NO, Momentary, Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529

Housing colour: Black

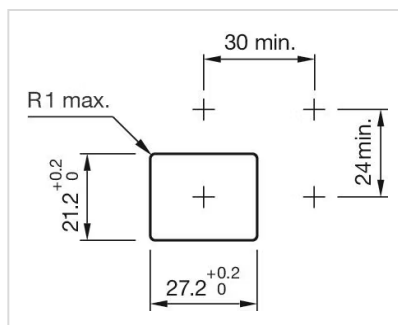
Wiring diagrams:



Component layouts:



Technical drawing of a hole in a plate. The hole is represented by a circle with a center cross. The diameter is labeled as $\varnothing 22.3^{+0.3}_0$. The distance from the hole center to the right edge of the plate is labeled as 25 min. The distance from the hole center to the left edge of the plate is also labeled as 25 min. The plate has a total width of 50 mm, indicated by a dimension line at the bottom.



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