

Actuator

31-
151.022



<https://eao.com/p/31-151.022>

Your product:



31-151.022 Actuator

FRONT

Front bezel colour:	Black
Front form:	square
Front dimension:	18 mm x 18 mm
Front bezel material:	Plastic

MOUNTING

Design:	raised
Mounting cut-out:	Ø 16 mm

OPERATING-/INDICATION PART

Lens illumination:	illuminative
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ELECTRICAL CHARACTERISTICS

Electrical lifetime:	50 000 cycles of operation
Rated Operational Voltage U_e:	250 VAC/VDC
Electric strength:	2500 VAC, 50 Hz, 1 minute, as per IEC 60512-2-11 between all terminals and earth
Thermal current I_{th}:	5 A
Contacts:	1 NC / 1 NO
Switching voltage and switching current:	250 VAC, 5 A (ohmic) 250 VAC, 3 A (Soldering terminal) 250 VAC, 2 A (inductive, $\cos(\phi) = 0.7$) 125 VAC, 3 A (inductive, $\cos(\phi) = 0.7$) 220 VDC, 0.1 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
Standards: According to EN/IEC 61058-1

MECHANICAL CHARACTERISTIC

Weight: 0.006 kg
Contact material: Gold
Mechanical lifetime: 2 Mio. cycles of operation
Wire cross section: Max. wire cross-section 1 wire with 1.5 mm
Max. wire cross-section of stranded cable 2 of 0.75 mm² or 1 x 1.0 mm²
Switching system: Snap-action switching element
Tightening torque: Fixing nut max. 0.5 Nm
Operating force: 2 N ... 5,5 N, depending on the number of switching elements
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.
Switching action: Momentary
Terminal: Plug-in terminal, 2.8 x 0.5 mm
Operating Travel: ca. 3 mm

AMBIENT CONDITION

Vibration resistance: 10 g at 10 Hz...2000 Hz, amplitude 1.5 mm (Sinusoidal), according to DIN EN 60512-4-4, DIN EN 60068-2-6
Shock resistance: 15 g for 11 ms, as per IEC 60512-4-3, IEC 60068-2-27 (Single impacts, semi-sinusoidal)
IP Protection: IP40 front side, IP67 with front protective cap
Operating temperature: – 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely
Climate resistance: Standard condition according to IEC 60068-2-3
Changing condition according to IEC 60068-2-14
Storage temperature: – 40 °C ... + 85 °C

CERTIFICATE

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

OTHER

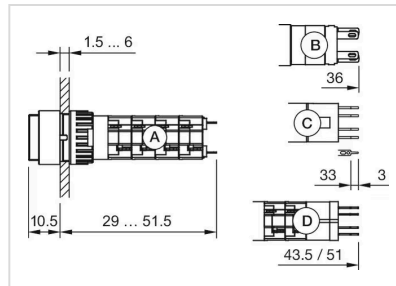
Internal size: 15,3 mm x 15,3 mm

Short Description: Actuator, Ø 16 mm, 18 mm x 18 mm, illuminative, square, Black, Plastic, 1 NC / 1 NO, Momentary, Plug-in terminal, 2.8 x 0.5 mm

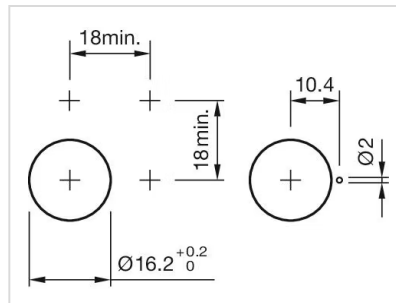
Housing colour: Black

max. number of switching elements: 1

Dimension drawings:



Mounting cut-outs:



Wiring diagrams:

