

Actuator

31-
131.0252



<https://eao.com/p/31-131.0252>

Your product:



31-131.0252

Actuator

FRONT

Front form:	round
Front bezel material:	Plastic
Front dimension:	Ø 18 mm
Front bezel colour:	Black

MOUNTING

Design:	raised
Mounting cut-out:	Ø 16 mm

OPERATING-/INDICATION PART

Lens illumination:	illuminative
--------------------	--------------

ELECTRICAL CHARACTERISTICS

Rated Operational Voltage Ue:	250 VAC/VDC
Contacts:	1 NC / 1 NO
Protection class:	II
Electric strength:	2500 VAC, 50 Hz, 1 minute, as per IEC 60512-2-11 between all terminals and earth
Electrical lifetime:	50 000 cycles of operation
Switching voltage and switching current:	250 VAC, 5 A (ohmic) 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)
Standards:	According to EN/IEC 61058-1

Thermal current I_{th}: 5 A

MECHANICAL CHARACTERISTIC

Switching action: Momentary

Operating force: 2 N ... 5,5 N, depending on the number of switching elements

Switching system: Snap-action switching element

Weight: 0.006 kg

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.

Contact material: Gold

Mechanical lifetime: 2 Mio. cycles of operation

Operating Travel: ca. 3 mm

Terminal: Soldering terminal

Tightening torque: Fixing nut max. 0.5 Nm

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

AMBIENT CONDITION

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

IP Protection: IP40 front side, IP67 with front protective cap

CERTIFICATE

Approbations: CB (IEC 61058-1), CSA, DNV, ENEC (EN 61058-1), UL

Conformities: CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)

OTHER

Housing colour: Black

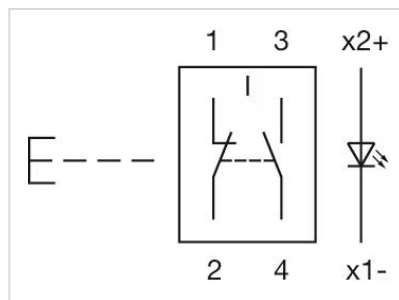
Short Description: Actuator, Ø 16 mm, Ø 18 mm, illuminative, round, Black, Plastic, 1 NC / 1 NO, Momentary, Soldering terminal

max. number of switching elements: 1

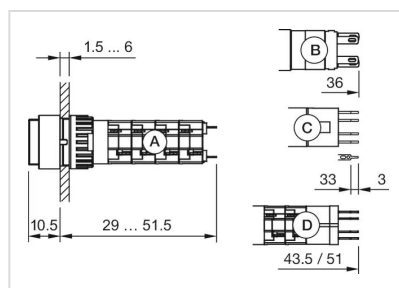
Internal size:

Ø 15,8 mm

Wiring diagrams:



Dimension drawings:



Mounting cut-outs:

