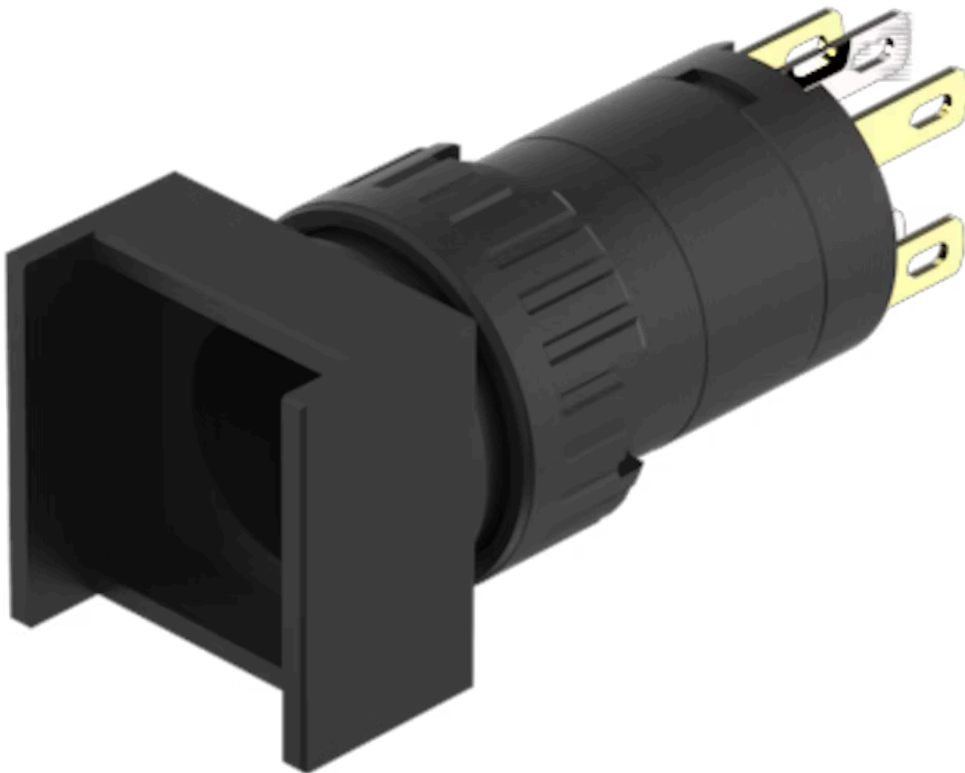


Actuator

51-
151.022



<https://eao.com/p/51-151.022>

Your product:



51-151.022 Actuator

FRONT

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

MOUNTING

Design:	raised
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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/DC according to EN IEC 60947-1
Thermal current I_{th}:	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.
Protection class:	II
Contacts:	1 NC / 1 NO
Electric strength:	2500 VAC, 50 Hz, 1 min. between all terminals and earth, according to IEC 61058-1, part 15
Standards:	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, $\cos(\phi) = 0.7$)
125 VAC, 3 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)

MECHANICAL CHARACTERISTIC

Tightening torque:	Fixing nut max. 0.5 Nm
Mechanical lifetime:	2 Mio. cycles of operation
Weight:	0.006 kg
Wire cross section:	Snap-action switching element with axial soldering terminals, which can also be used as plug-in terminals 2.8 x 0.5mm Max. wire diameter 2 wires of 1 mm Max. wire cross-section of stranded cable 2 of 0.75 mm ² or 1 x 1.0 mm ²
Switching system:	Self-cleaning, double-break snap action switching system, 1 normally closed and 1 normally open contact per element.
Switching system:	Snap-action switching element
Contact material:	Gold
Operating force:	1,8 ... 6 N
Switching action:	Momentary
Terminal:	Plug-in terminal, 2.8 x 0.5 mm
Operating Travel:	3 mm

AMBIENT CONDITION

IP front protection:	IP65, according to DIN EN 60529
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)
Vibration resistance:	10 g at 10 Hz...1500 Hz, amplitude 0.75 mm (Sinusoidal), according to DIN EN 60512-4-4, DIN EN 60068-2-6
Climate resistance:	Standard condition, as per DIN EN 60068-2-30 Changing condition, as per DIN EN 60068-2-14
Operating temperature:	- 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely

CERTIFICATE

Conformities:	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 30 / EU (EMC), 2014 / 35 / EU (LVD)
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Approbations:

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

OTHER

Internal size:

15,3 mm x 15,3 mm

Short Description:

Actuator, 18 mm x 18 mm, illuminative, Black, Plastic, 1 NC / 1 NO, Momentary, Plug-in terminal, 2.8 x 0.5 mm, IP65, according to DIN EN 60529

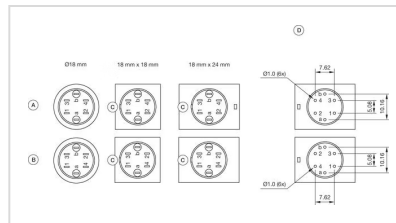
max. number of switching elements:

1

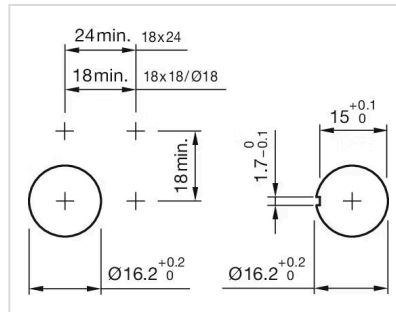
Housing colour:

Black

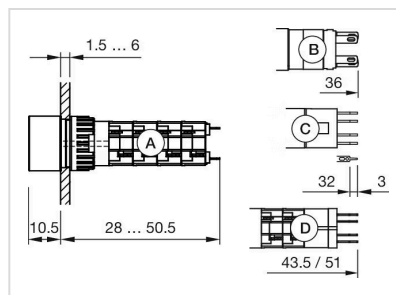
Component layouts:



Mounting cut-outs:



Dimension drawings:



Wiring diagrams:

