

Your Expert Partner for Human Machine Interfaces

## Actuator

18-138.035





https://www.eao.com/component/18-138.035/en/a...

## Your product:



# 18-138.035 Actuator

**PRODUCT RANGE** 

Electric strength:

Product Status:	Phase-out	
FRONT		
Front dimension:	Ø 9 mm	
Front form:	Round	
Front bezel colour:	Black	
Front bezel material:	Plastic	
MOUNTING		
Design:	Raised	
Mounting type:	Panel mounting	
OPERATING-/INDICATION PART		
Lens illumination:	Illuminated	
ELECTRICAL CHARACTERISTICS		
Switching voltage and switching current:	100 mA at 42 VAC/VDC	
Contacts:	1 NC	
Switching rating:	42 V @ 0,1 A	

Electrical lifetime: ≥500 000 cycles of operation at 30 VDC, 100 mA, according to IEC 61058-1

500 VAC, 50 Hz, 1 minute, as per IEC 60512-2-11 between all terminals and earth

#### **MECHANICAL CHARACTERISTICS**

Terminal:	Soldering terminal
Contact material:	Gold
Switching action:	Momentary
Switching system:	Snap-action switching element
Switching system:	The snap-action switching system was designed for switching low powers in electronic circuits. Single-break snap-action contact.
Mechanical lifetime:	2 Mil. cycles of operation
Operating force:	1.4 N
Operating Travel:	ca. 2.2 mm ± 0.2 mm
Tightening torque:	Fixing nut max. 0.2 Nm
Wire cross section:	Max. wire cross-section 2 wires with 0.5 mm Max. wire cross-section of stranded cable 1 x 0.75 mm <sup>2</sup> Wire cross-section of terminal 1,6 x 0,4 mm <sup>2</sup>
Weight:	0.002 kg

#### AMBIENT CONDITION

IP front protection:	IP40, according to IEC 60529
Operating temperature:	– 25 °C + 65 °C
Storage temperature:	– 40 °C + 80 °C
Shock resistance:	50 g for 11 ms, as per DIN / EN 60068-2-27 (Single impacts, semi-sinusoidal)
Vibration resistance:	10 g at 10 Hz2000 Hz, amplitude 0.75 mm (Sinusoidal), according to DIN EN 60512-4-4

CE	DT	100	0	λT	
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Conformities:	2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD) for version 230 VAC
REACH:	REACH compliant
RoHS:	RoHS compliant

#### OTHER

Short Description:	Actuator, Ø 9 mm, Illuminated, Round, Black, Plastic, 1 NC, Momentary, Soldering terminal, IP40, according to IEC 60529
Internal size:	Ø 7,5 mm
Housing colour:	Black

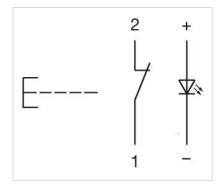
Housing material:

Plastic

**Product attributes:** 

Wiring diagrams:

+/- terminals are not connected



### $\bigcirc$ в 9 x 9 mm 19 x 19 mm 9 x 14 mm Ø9 mm Ø19 x 19 mm C D E

- A = Terminals (rear side)
- B = Illuminated pushbutton
- C = x = Contact No.
- D = 2 = Normally openE = 4 = Normally close

#### Mounting cut-outs:

**Component layouts:** 

14 min.	9x14
9 min.	9x9/Ø9
+ -	9 min.

**Dimension drawings:** 

