

# Actuator

18-  
147.035

Distribution by  
Newark



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## 18-147.035 Actuator

### PRODUCT RANGE

**Product Status:** Phase-out

### FRONT

**Front dimension:** 14 mm x 9 mm

**Front form:** Rectangular

**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 NO

**Switching rating:** 42 V @ 0,1 A

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

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

## MECHANICAL CHARACTERISTICS

|                             |   |
|-----------------------------|---|
| <b>Terminal:</b>            | Soldering terminal  |
| <b>Contact material:</b>    | Gold  |
| <b>Switching action:</b>    | Momentary   |
| <b>Switching system:</b>    | Snap-action switching element   |
| <b>Switching system:</b>    | The snap-action switching system was designed for switching low powers in electronic circuits. Single-break snap-action contact.  |
| <b>Mechanical lifetime:</b> | 2 Mil. cycles of operation  |
| <b>Operating force:</b>     | 1.4 N   |
| <b>Operating Travel:</b>    | ca. 2.2 mm ± 0.2 mm   |
| <b>Tightening torque:</b>   | Fixing nut max. 0.2 Nm  |
| <b>Wire cross section:</b>  | Max. wire cross-section 2 wires with 0.5 mm<br>Max. wire cross-section of stranded cable 1 x 0.75 mm <sup>2</sup><br>Wire cross-section of terminal 1,6 x 0,4 mm <sup>2</sup> |
| <b>Weight:</b>              | 0.018 kg  |

## AMBIENT CONDITION

|                               |  |
|-------------------------------|--|
| <b>IP front protection:</b>   | IP40, according to IEC 60529   |
| <b>Operating temperature:</b> | - 25 °C ... + 65 °C  |
| <b>Storage temperature:</b>   | - 40 °C ... + 80 °C  |
| <b>Shock resistance:</b>      | 50 g for 11 ms, as per DIN / EN 60068-2-27 (Single impacts, semi-sinusoidal)           |
| <b>Vibration resistance:</b>  | 10 g at 10 Hz...2000 Hz, amplitude 0.75 mm (Sinusoidal), according to DIN EN 60512-4-4 |

## CERTIFICATE

|                      |   |
|----------------------|---|
| <b>Conformities:</b> | 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD) for version 230 VAC |
| <b>REACH:</b>        | REACH compliant   |
| <b>RoHS:</b>         | RoHS compliant  |

## OTHER

|                           |   |
|---------------------------|---|
| <b>Short Description:</b> | Actuator, 14 mm x 9 mm, Illuminated, Rectangular, Black, Plastic, 1 NO, Momentary, Soldering terminal, IP40, according to IEC 60529 |
| <b>Internal size:</b>     | 12,5 mm x 7,5 mm  |
| <b>Housing colour:</b>    | Black   |

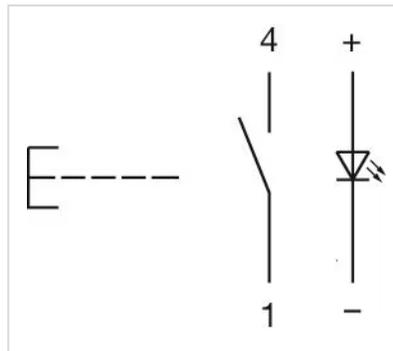
**Housing material:**

Plastic

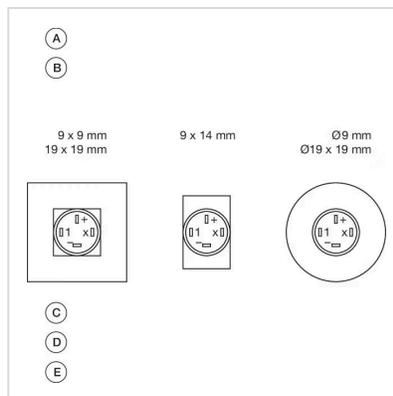
**Product attributes:**

+/- terminals are not connected

**Wiring diagrams:**

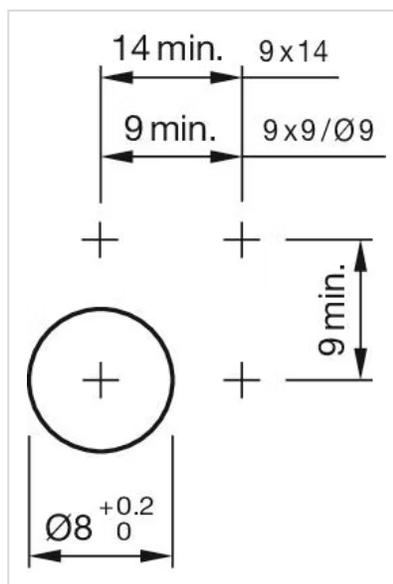


**Component layouts:**



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

**Mounting cut-outs:**



**Dimension drawings:**

