

# Actuator

18-

287.035

Distribution by Mouser







### Your product:



## 18-287.035 Actuator

	RAN	

Product Status: Phase-out

#### **FRONT**

Front dimension: 19 mm x 19 mm

Front form: Square

Front bezel colour: Black

Front bezel material: Plastic

#### **MOUNTING**

Design: Flush

Mounting type: Panel mounting

#### **OPERATING-/INDICATION PART**

Lens illumination: Illuminated

#### **ELECTRICAL CHARACTERISTICS**

**Switching voltage and switching** 100 mA at 42 VAC/VDC

current:
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**

Terminal:	Soldering terminal		
Contact material:	Gold		
Switching action:	Maintained		
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:	1 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 $^2$ Wire cross-section of terminal 1,6 x 0,4 mm $^2$		
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		
CERTIFICATE			
Conformities:	2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD) for version 230 VAC		
REACH:	REACH compliant		
RoHS:	RoHS compliant		

#### **OTHER**

Actuator, 19 mm x 19 mm, Illuminated, Square, Black, Plastic, 1 NO, Maintained, Soldering terminal, IP40, according to IEC 60529**Short Description:** 

Internal size: 13,8 mm x 13,8 mm

Black Housing colour:

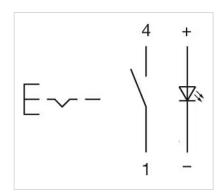
Housing material:

Plastic

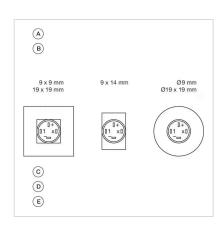
**Product attributes:** 

+/- terminals are not connected

Wiring diagrams:



Component layouts:



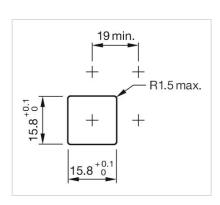
A = Terminals (rear side)

B = Illuminated pushbutton

C = x = Contact No.

D = 2 = Normally open E = 4 = Normally close

Mounting cut-outs:



**Dimension drawings:** 

