

# Actuator

31-483.036 Distribution by Mouser







# Your product:



# 31-483.036 Actuator

PRODUCT RANGE	P	R	O	D	U	CT	R	AN	<b>IG</b> I	E
---------------	---	---	---	---	---	----	---	----	-------------	---

Product Status: Not Recommended for new design

**FRONT** 

Front dimension: 18 mm x 18 mm

Front form: Square

Front bezel colour: Black

Front bezel material: Plastic

# **MOUNTING**

**Design:** Raised

Mounting cut-out: Ø 16 mm

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 NC / 1 NO

Switching rating:

42 V @ 0,1 A

Electric strength:

2500 VAC, 50 Hz, 1 minute, as per IEC 60512-2-11 between all terminals and

earth

Protection class:

**Standards:** According to EN/IEC 61058-1

#### **MECHANICAL CHARACTERISTICS**

**Terminal:** Universal terminal, 2 x 0.5 mm

Contact material: Gold

Switching action: Maintained

Switching system: Low-level element

**Switching system:** This low-level switching element was designed for switching low powers in

electronic circuits. The mechanism assures reliable switching of loads ranging from

a few  $\mu A/\mu V$  up to 100 mA/ 42 VAC/DC.

Single-break momentary contact, as normally open or normally closed with 4 independent points of contact. 2 momentary contactsper switching element;

combination of normally open and normally closed is possible.

Special features are the long life, extremely short rebound time and stable contact

resistance.

Mechanical lifetime: 1 Mil. cycles of operation

Operating force: 3 N ... 3.5 N

Operating Travel: ca. 3 mm

**Tightening torque:** Fixing nut max. 0.5 Nm

Wire cross section: Max. wire diameter 2 wires à 0.8 mm

Max. wire cross-section of stranded cable 1 x 0.75 mm<sup>2</sup>

**Weight:** 0.007 kg

# **AMBIENT CONDITION**

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

Operating temperature: -25 °C, mounted as a block, make sure the heat can escape freely

Storage temperature:  $-40 \, ^{\circ}\text{C} \dots + 85 \, ^{\circ}\text{C}$ 

Shock resistance: 15 g for 11 ms, as per IEC 60512-4-3, IEC 60068-2-27 (Single impacts, semi-

sinusoidal)

Vibration resistance: 10 g at 10 Hz...2000 Hz, amplitude 1.5 mm (Sinusoidal), according to DIN EN

60512-4-4, DIN EN 60068-2-6

Climate resistance: Standard condition according to IEC 60068-2-3

Changing condition according to IEC 60068-2-14

### **CERTIFICATE**

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

**REACH:** REACH compliant

RoHS:

RoHS compliant

### **OTHER**

**Short Description:** Actuator,  $\emptyset$  16 mm, 18 mm x 18 mm, Illuminated, Square, Black, Plastic, 1 NC / 1

NO, Maintained, Universal terminal, 2 x 0.5 mm

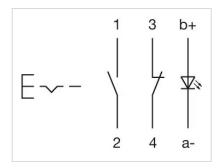
Internal size: 15,3 mm x 15,3 mm

Housing colour: Black

max. number of switching elements:

1

Wiring diagrams:



# **Component layouts:**



A = Terminals (rear side)

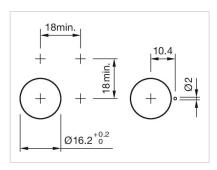
B = Diode block

C = Anti twist device only 18 mm x 24

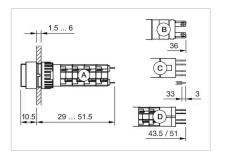
mm

D = Drilling plan (component side)

Mounting cut-outs:



# **Dimension drawings:**



A = Solder terminal

B = Plug-in terminal 2.8 mm x 0.5 mm

C = Universal terminal 2.0 mm x 0.5 mm

D = Universal-Solder terminal