

# Actuator

51-  
051.006

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Mouser



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## 51-051.006 Actuator

### FRONT

**Front dimension:** 18 mm x 18 mm

**Front form:** Square

### MOUNTING

**Design:** Raised

**Mounting type:** Panel mounting

### ELECTRICAL CHARACTERISTICS

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

**Electric strength:** 2500 VAC, 50 Hz, 1 min. between all terminals and earth, according to IEC 61058-1, part 15

### MECHANICAL CHARACTERISTIC

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

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

**Weight:** 0.005 kg

### AMBIENT CONDITION

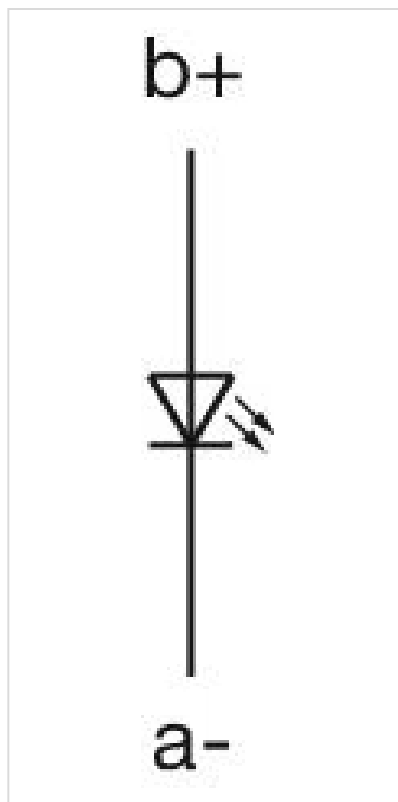
<b>IP front protection:</b>	IP65, according to DIN EN 60529
<b>Operating temperature:</b>	– 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely
<b>Storage temperature:</b>	– 40 °C ... + 85 °C
<b>Shock resistance:</b>	15 g for 11 ms, as per DIN / EN 60512-4-3, DIN / EN 60068-2-27 (Single impacts, semi-sinusoidal)

## CERTIFICATE

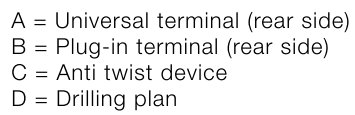
<b>REACH:</b>	REACH compliant
<b>RoHS:</b>	RoHS compliant

## OTHER

<b>Short Description:</b>	Actuator, 18 mm x 18 mm, Square, Universal terminal, 2 x 0.5 mm, IP65, according to DIN EN 60529
<b>Internal size:</b>	15,3 mm x 15,3 mm
<b>Housing colour:</b>	Black
<b>Wiring diagrams:</b>	



**Component layouts:**



Technical drawing of a shaft with a keyway, showing manufacturing steps and dimensions.

**Left View (Initial State):**

- Overall length: 24 min.
- Keyway length: 18 min.
- Keyway width: 18 x 18 / Ø18
- Keyway depth: 18 min.
- Shaft diameter: Ø16.2<sup>+0.2</sup><sub>0</sub>

**Right View (After Processing):**

- Keyway width: 18<sup>+0.1</sup><sub>0</sub>
- Keyway depth: 1.7<sup>0</sup><sub>-0.1</sub>
- Shaft diameter: Ø16.2<sup>+0.2</sup><sub>0</sub>

[illegible]

A = Solder terminal  
B = Plug-in terminal 2.8 mm x 0.5 mm  
C = Universal terminal 2.0 mm x 0.5 mm