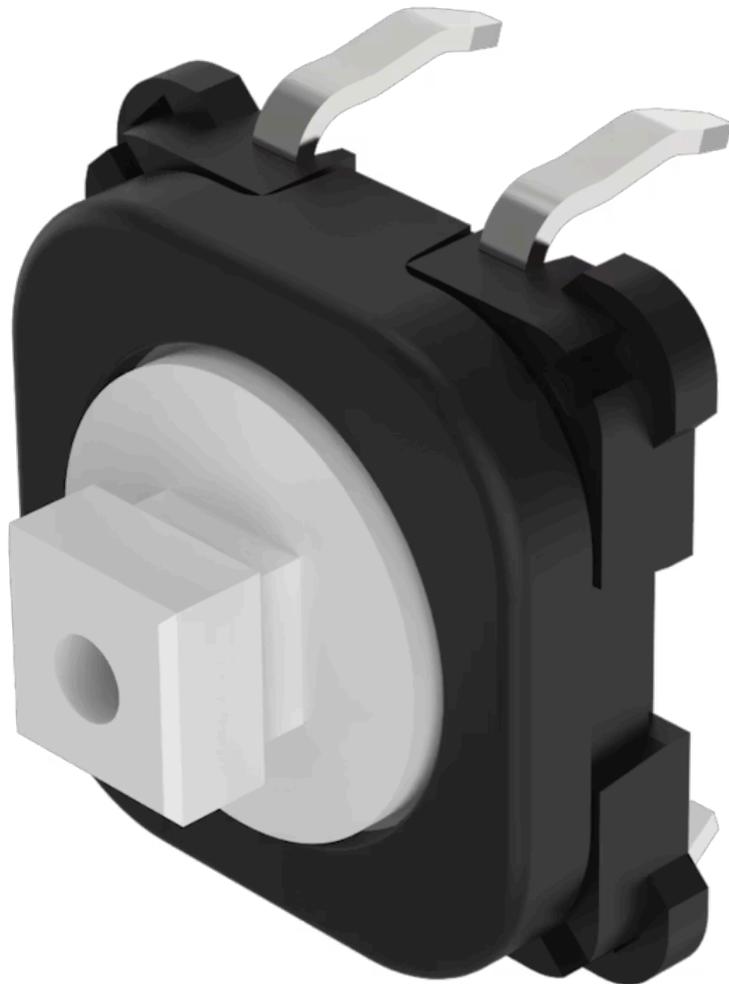


# Switching element

70-201.0

Distribution by  
DigiKey

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<https://digikey.eao.com/component/70-201.0/en...>

Your product:

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## 70-201.0 Switching element

### ELECTRICAL CHARACTERISTICS

**Switching voltage and switching current:**

Switching voltage	min. 50 m VAC/DC max. 42 VAC/DC
Switching current	min. 10 $\mu$ A AC/DC max. 100 mA AC/DC
Power rating	max. 2 W

**Contacts:**

1 NO

**Switching rating:**

42 V @ 0,1 A

**Electrical lifetime:**

$\geq$ 500 000 cycles of operation at 42VDC, 50mA, according to IEC 60512-5-9c, When attention is paid to the direction of current flow from terminal 3/4 to 1/2 the electrical life can be prolonged.

**Electric strength:**

500 VAC, 50 Hz, 1 minute according to DIN IEC 60512-2-4a

### MECHANICAL CHARACTERISTICS

**Terminal:**

PCB terminal

**Contact material:**

Gold

**Switching action:**

Momentary

**Switching system:**

Short-travel element

**Switching system:**

Short-travel snap-action switching system with two independent contact points and tactile operation  
Guarantees reliable switching even of very light loads.  
1 normally open contact

**Mechanical lifetime:**

$\geq$ 1 Mil. cycles of operation (switching element under overlay),  $\geq$ 5 Mil. cycles of operation (switching element without overlay)

**Operating force:**

2,1 N  $\pm$ 0,2 N with decor foil, >50 N max. on button centre with test plunger, according to DIN 42115

**Operating Travel:**

ca. 0.5 mm

**Weight:**

0.001 kg

## AMBIENT CONDITION

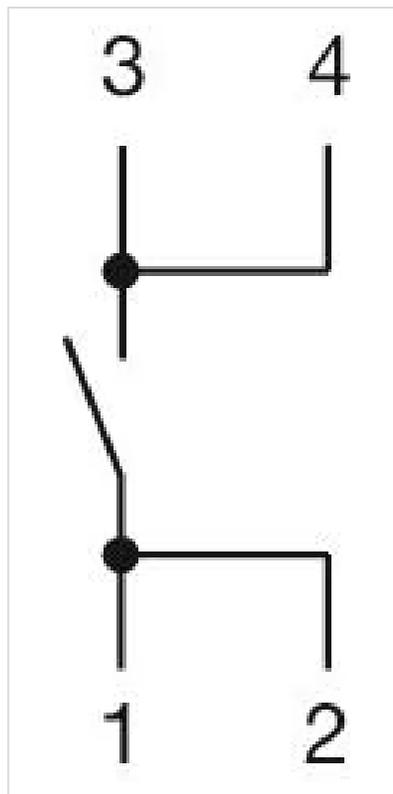
<b>IP Protection:</b>	IP40 (only switching element), IP65 (front side with overlay foil)
<b>Operating temperature:</b>	- 25 °C ... + 70 °C
<b>Storage temperature:</b>	- 40 °C ... + 85 °C

## CERTIFICATE

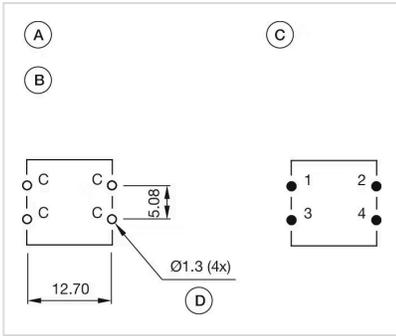
<b>Conformities:</b>	CE, UKCA, 2011 / 65 / EC (RoHS)
<b>REACH:</b>	REACH compliant
<b>RoHS:</b>	RoHS compliant

## OTHER

<b>Short Description:</b>	Switching element, Short-travel element, 42 V @ 0,1 A, Gold, 1 NO, PCB terminal
<b>Product attributes:</b>	Operation with spacing cap
<b>Wiring diagrams:</b>	



**Component layouts:**



- A = Switching element without illumination
- B = Drilling plan (component side)
- C = Occupancy plan (component side)
- D = Hole for switching element

**Dimension drawings:**

