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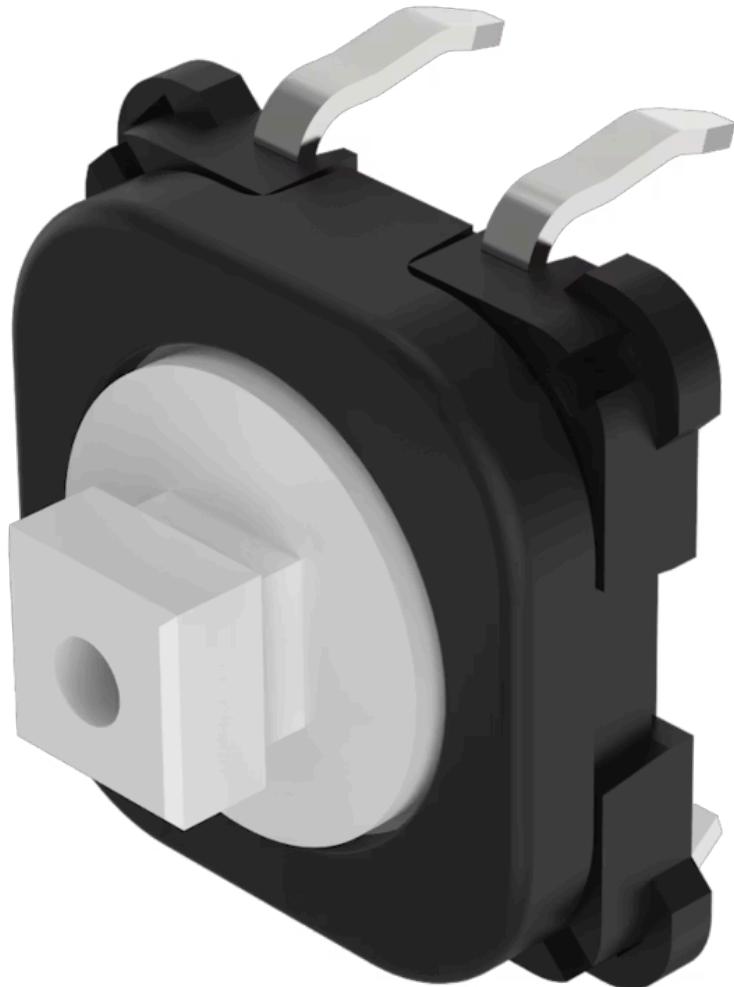
Your Expert Partner for Human Machine Interfaces

# Switching element

Distribution by  
Mouser



70-201.0



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Your product:



## 70-201.0 Switching element

### ELECTRICAL CHARACTERISTICS

<b>Switching voltage and switching current:</b>	Switching voltage Switching current Power rating	min. 50 m VAC/DC max. 42 VAC/DC min. 10 µA AC/DC max. 100 mA AC/DC max. 2 W
<b>Contacts:</b>	1 NO	
<b>Switching rating:</b>	42 V @ 0,1 A	
<b>Electrical lifetime:</b>	≥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.	
<b>Electric strength:</b>	500 VAC, 50 Hz, 1 minute according to DIN IEC 60512-2-4a	

### MECHANICAL CHARACTERISTICS

<b>Terminal:</b>	PCB terminal
<b>Contact material:</b>	Gold
<b>Switching action:</b>	Momentary
<b>Switching system:</b>	Short-travel element
<b>Switching system:</b>	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
<b>Mechanical lifetime:</b>	≥1 Mil. cycles of operation (switching element under overlay), ≥5 Mil. cycles of operation (switching element without overlay)
<b>Operating force:</b>	2,1 N ±0,2 N with decor foil, >50 N max. on button centre with test plunger, according to DIN 42115
<b>Operating Travel:</b>	ca. 0.5 mm
<b>Weight:</b>	0.001 kg

## AMBIENT CONDITION

**IP Protection:** IP40 (only switching element), IP65 (front side with overlay foil)

**Operating temperature:** – 25 °C ... + 70 °C

**Storage temperature:** – 40 °C ... + 85 °C

## CERTIFICATE

**Conformities:** CE, UKCA, 2011 / 65 / EC (RoHS)

**REACH:** REACH compliant

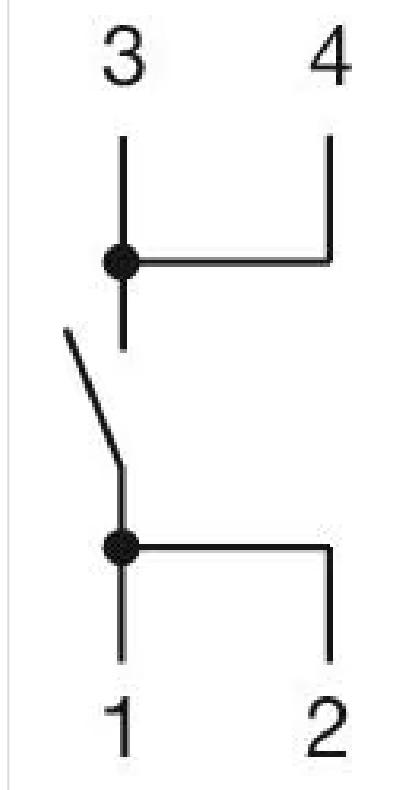
**RoHS:** RoHS compliant

## OTHER

**Short Description:** Switching element, Short-travel element, 42 V @ 0,1 A, Gold, 1 NO, PCB terminal

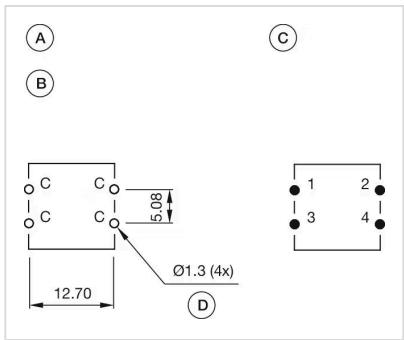
**Product attributes:** Operation with spacing cap

**Wiring diagrams:**



**Component layouts:**

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



**Dimension drawings:**

