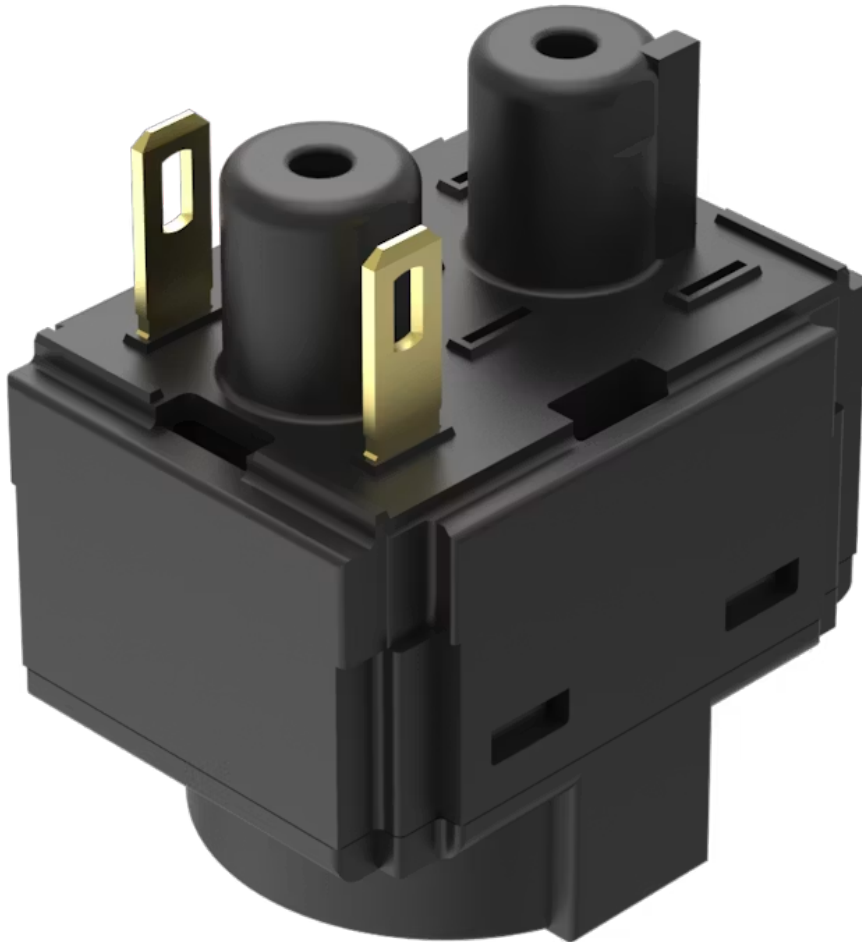


# Switching element

61-8745.37

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## 61-8745.37

### Switching element

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#### ELECTRICAL CHARACTERISTICS

**Switching voltage and switching current:**

|                                    |  |        |
|------------------------------------|--|--------|
| Switch rating AC with gold contact |  |        |
| Service category AC-15             |  |        |
| according to EN IEC 60947-5-1      |  |        |
| Voltage                            |  | 50 VAC |
| Current                            |  | 0.5 A  |
| Switch rating DC with gold contact |  |        |
| Service category DC-13             |  |        |
| according to EN IEC 60947-5-1      |  |        |
| Voltage                            |  | 50 VDC |
| Current                            |  | 0.1 A  |

**Contacts:**

1 NC

**Forward voltage:**

**Rated Operational Voltage  $U_e$ :**

50 VAC / DC, according to EN / IEC 60947-5-1

**Rated impulse withstand voltage  $U_{imp}$ :**

0.8 kV, according to EN / IEC 60947-5-1

**Rated insulation voltage  $U_i$ :**

320 VAC, according to EN / IEC 60947-5-1

**Recommended minimum operational data:**

|         |           |
|---------|-----------|
| Voltage | 10 VAC/DC |
| Current | 2 mA      |

**Switching rating:**

50 V AC/DC @ 0,3 A

**Pollution degree:**

3, according to EN IEC 60947-1

**Standards:**

The switches comply with the "Standards for low-voltage switching devices" EN IEC 61058-1, EN IEC 60947-5-1

**Thermal current  $I_{th}$ :**

3 A

#### MECHANICAL CHARACTERISTICS

**Terminal:**

Plug-in terminal, 2.8 x 0.5 mm

**Contact material:**

Gold

**Switching system:**

Slow-make switching element

**Switching positions:**

2 positions

**Wire cross section:**

- 1 wire flexible: 0.5 ... 0.75 mm<sup>2</sup>
- 1 wire super flexible: 0.5 mm<sup>2</sup>
- 1 wire rigid: 0.5 ... 1.5 mm<sup>2</sup>
- 2 wires flexible: 0.5 ... 0.75 mm<sup>2</sup>
- 2 wires super flexible: 0.5 mm<sup>2</sup>
- 2 wires rigid: 0.5 ... 1.5 mm<sup>2</sup>

**Weight:** 0.007 kg

## AMBIENT CONDITION

**Operating temperature:** – 25 °C ... + 55 °C

**Climate resistance:**

- Damp heat, cyclic: 96 hours, + 25 °C/97 %, + 55 °C/93 % relative humidity, as per EN IEC 60068-2-30
- Damp heat, steady: 56 days, + 40 °C/93 % relative humidity, according to EN IEC 60068-2-78
- Rapid change of temperature: 100 cycles, – 40 °C ... + 80 °C, as per EN / IEC 60068-2-14

## CERTIFICATE

**Approbations:** CB (IEC 61058-1), CQC, CSA, DNV, ENEC (EN 61058-1), UL, VDE

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

**REACH:** REACH compliant

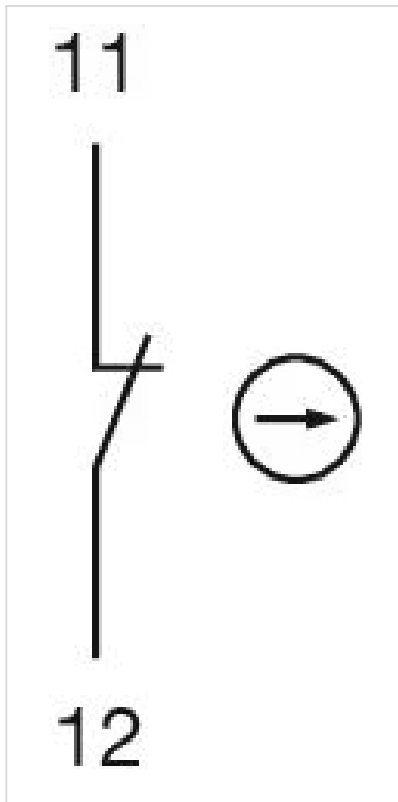
**RoHS:** RoHS compliant

## OTHER

**Short Description:** Switching element, Slow-make switching element, 50 V AC/DC @ 0,3 A, Gold, 1 NC, Plug-in terminal, 2.8 x 0.5 mm

**Material:** Plastic, according to UL 94 V0

**Wiring diagrams:**



Component layouts:

