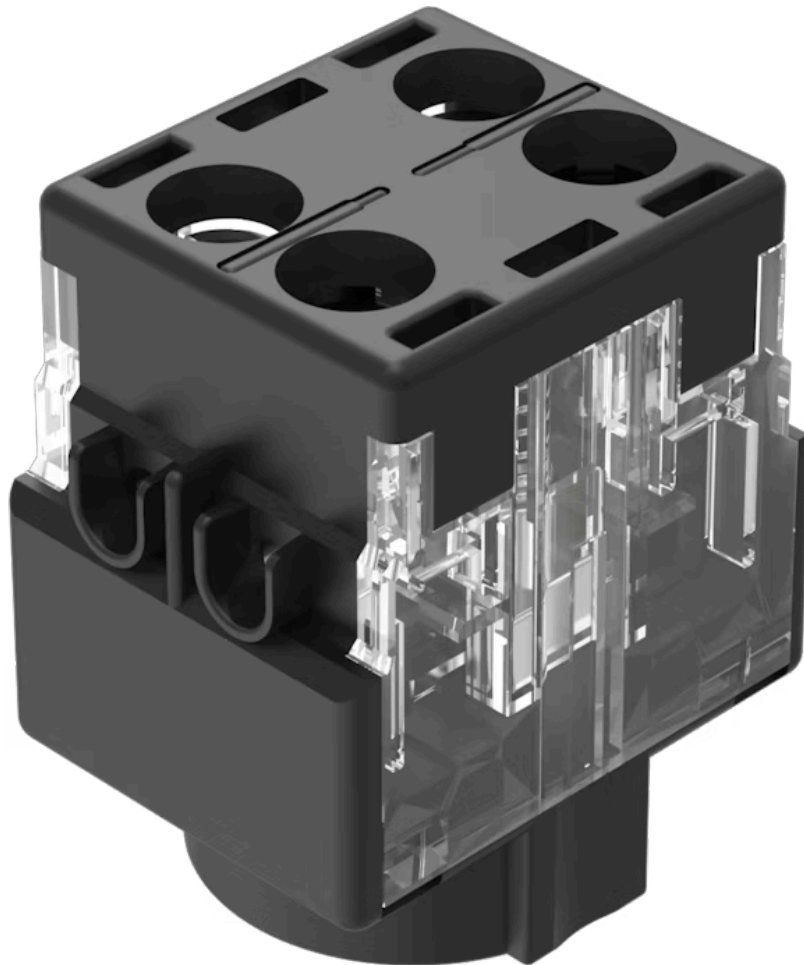


# Switching element

61-8615.11

Distribution by  
Mouser



<https://mouser.eao.com/component/61-8615.11/e...>

Your product:



## 61-8615.11 Switching element

Loading ...

### ELECTRICAL CHARACTERISTICS

#### Switching voltage and switching current:

|                                      |         |         |
|--------------------------------------|---------|---------|
| Switch rating AC with silver contact |         |         |
| Service category AC-15               |         |         |
| according to EN IEC 60947-5-1        |         |         |
| Voltage                              | 125 VAC | 250 VAC |
| Current                              | 3 A     | 2 A     |
| Switch rating DC with silver contact |         |         |
| Service category DC-13               |         |         |
| according to EN IEC 60947-5-1        |         |         |
| Voltage                              | 250 VDC |         |
| Current                              | 0.2 A   |         |

#### Contacts:

1 NO

#### Contact resistance:

New state  $\leq 50 \text{ m}\Omega$ , as per DIN/IEC 60512-2-4, measured at 100 mA, 10 V

#### Rated Operational Voltage $U_e$ :

250 VAC/DC according to EN IEC 60947-1

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

4 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 | 20 VAC/DC |
| Current | 100 mA    |

#### Switching rating:

250 V AC/DC @ 5 A

#### Electrical lifetime:

$\geq 50\,000$  cycles of operation at 250VAC, 2A,  $\cos\phi 0.95$ ,

#### Electric strength:

4000 VAC, 50 Hz, 1 minute, as per DIN / IEC 60512-2 between all terminals and earth

#### Overvoltage category:

III, according to EN / IEC 60947-5-1

#### Pollution degree:

2, according to EN IEC 60947-1

#### Protection class:

II, according to EN / IEC 61058-1

#### Standards:

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

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

5 A, according to EN / IEC 60947-5-1

### MECHANICAL CHARACTERISTICS

|                             |   |
|-----------------------------|---|
| <b>Terminal:</b>            | Screw terminal  |
| <b>Contact material:</b>    | Silver  |
| <b>Switching system:</b>    | Slow-make switching element   |
| <b>Switching system:</b>    | Double-break slow-make system, contact opening width 2 x 1.5 mm, with 2 x 2 contact points per switching element.<br>NC-contact elements in the slow-make elements fulfill requirements of switches with forced opening as per EN / IEC 60947-5-12.17.                  |
| <b>Switching positions:</b> | 2 positions   |
| <b>Wire cross section:</b>  | 1 wire flexible: 0.5 ... 0.75 mm <sup>2</sup><br>1 wire super flexible: 0.5 mm <sup>2</sup><br>1 wire rigid: 0.5 ... 1.5 mm <sup>2</sup><br>2 wires super flexible: 0.5 mm <sup>2</sup><br>2 wires flexible: 0.5 mm <sup>2</sup><br>2 wires rigid: 0.75 mm <sup>2</sup> |
| <b>Weight:</b>              | 0.014 kg  |

### AMBIENT CONDITION

|                               |   |
|-------------------------------|---|
| <b>IP Protection:</b>         | IP40  |
| <b>Operating temperature:</b> | - 25 °C ... + 55 °C   |
| <b>Storage temperature:</b>   | - 40 °C ... + 85 °C   |
| <b>Shock resistance:</b>      | Max. 100 m / s <sup>2</sup> , pulse width, 3-axis (sinusoidal EN IEC 60068-2-27)  |
| <b>Vibration resistance:</b>  | Max. 100 m / s <sup>2</sup> from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6)  |
| <b>Climate resistance:</b>    | Damp heat, cyclic: 96 hours, + 25 °C/97 %, + 55 °C/93 % relative humidity, as per EN IEC 60068-2-30<br>Damp heat, steady: 56 days, + 40 °C/93 % relative humidity, according to EN IEC 60068-2-78<br>Rapid change of temperature: 100 cycles, - 40 °C ... + 80 °C, as per EN / IEC 60068-2-14 |

### CERTIFICATE

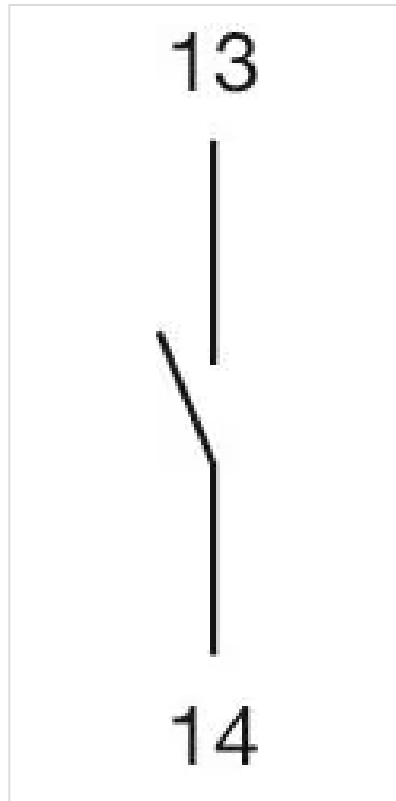
|                      |   |
|----------------------|---|
| <b>Approbations:</b> | CB (IEC 61058-1), CQC, CSA, DNV, ENEC (EN 61058-1), UL, VDE |
| <b>Conformities:</b> | CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)       |
| <b>REACH:</b>        | REACH compliant   |
| <b>RoHS:</b>         | RoHS compliant  |

### OTHER

|                            |   |
|----------------------------|---|
| <b>Short Description:</b>  | Switching element, Slow-make switching element, 250 V AC/DC @ 5 A, Silver, 1 NO, Screw terminal |
| <b>Material:</b>           | Plastic, according to UL 94 V0  |
| <b>Product attributes:</b> |   |

Without lamp terminal

**Wiring diagrams:**



**Component layouts:**

