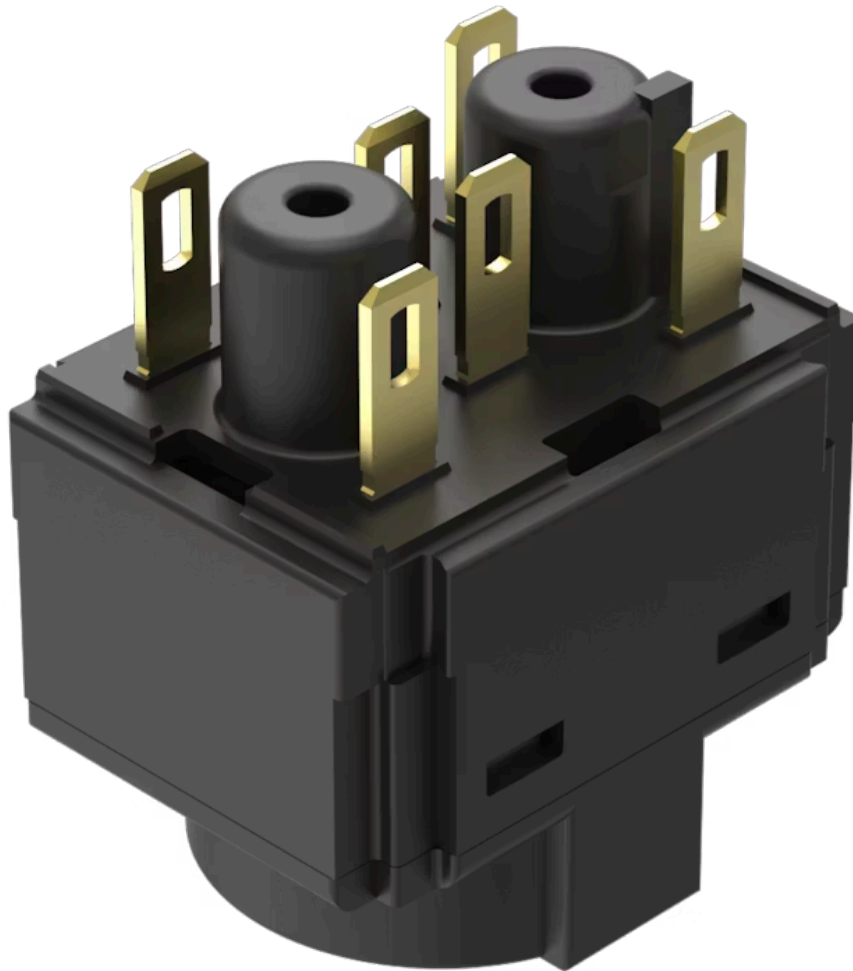


Switching element

61-8770.37

Distribution by
Mouser



<https://mouser.eao.com/component/61-8770.37/e...>

Your product:



61-8770.37 Switching element

Loading ...

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 / 1 NO

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

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}:

3 A

MECHANICAL CHARACTERISTICS

Terminal:

Plug-in terminal, 2.8 x 0.5 mm

Contact material:

Gold

| | |
|-----------------------------|---|
| Switching system: | Slow-make switching element |
| Switching system: | Double-break slow-make system, contact opening width 2 x 1.5 mm, with 2 x 2 contact points per switching element. NC-contact elements in the slow-make elements fulfill requirements of switches with forced opening as per EN / IEC 60947-5-12.17. |
| Switching positions: | 3 positions |
| Wire cross section: | 1 wire flexible: 0.5 ... 0.75 mm ² 1 wire super flexible: 0.5 mm ² 1 wire rigid: 0.5 ... 1.5 mm ² 2 wires flexible: 0.5 ... 0.75 mm ² 2 wires super flexible: 0.5 mm ² 2 wires rigid: 0.5 ... 1.5 mm ² |
| Weight: | 0.008 kg |

AMBIENT CONDITION

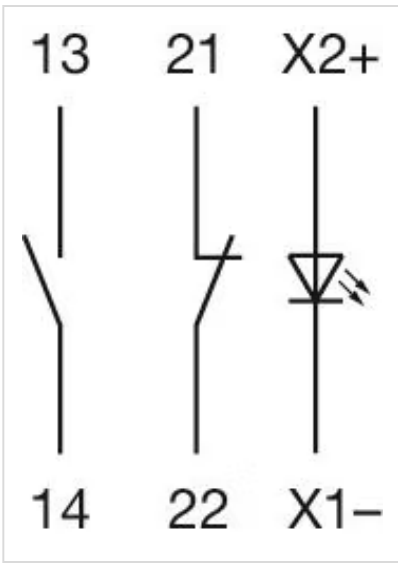
| | |
|-------------------------------|---|
| IP Protection: | IP40 |
| Operating temperature: | - 25 °C ... + 55 °C |
| Storage temperature: | - 40 °C ... + 85 °C |
| Shock resistance: | Max. 100 m / s ² , pulse width, 3-axis (sinusoidal EN IEC 60068-2-27) |
| Vibration resistance: | Max. 100 m / s ² from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6) |
| 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 / 1 NO, Plug-in terminal, 2.8 x 0.5 mm |
| Material: | Plastic, according to UL 94 V0 |
| Product attributes: | With lamp terminal |
| Hints: | With lamp terminal |
| Wiring diagrams: | |



Component layouts:

