

Switching element

61-8440.22



<https://eao.com/p/61-8440.22>

Your product:



61-8440.22 Switching element

ELECTRICAL CHARACTERISTICS

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|---|---|
| Contacts: | 1 NC |
| Electrical lifetime: | ≥50 000 cycles of operation at 250VAC, 2A, $\cos\phi$ 0.95, |
| Pollution degree: | 3, according to EN IEC 60947-1 |
| Switching voltage and switching current: | Switch rating AC with silver contact or silver contact with gold plating Service category AC-15 according to EN IEC 60947-5-1 Voltage 125 VAC Current 2.5 A Switch rating DC with silver contact or silver contact with gold plating Service category DC-13 according to EN IEC 60947-5-1 Voltage 250 VDC Current 0.15 A |
| Recommended minimum operational data: | Voltage 5 VAC/DC Current 10 mA |
| 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 |
| Electric strength: | 2500 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 |
| Protection class: | II, according to EN / IEC 61058-1 |
| 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 |
| Rated Operational Voltage U_e: | 250 VAC/DC according to EN IEC 60947-1 |

MECHANICAL CHARACTERISTIC

Terminal: Plug-in terminal, 2.8 x 0.5 mm

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| Weight: | 0.007 kg |
| Contact material: | Gold |
| Switching positions: | 2 positions |
| Switching system: | Snap-action switching element |
| Switching system: | Self-cleaning, double-break snap-action switching system with contact opening width 2mm x 0.5mm (switch with small contact opening width as per EN IEC 61058-1). The switching elements are optionally equipped with the following switching functions: One to three normally open (NO) or normally closed (NC), or any combination of NO and NC plus connections for T1 3/4 LED or lamp. The number of switching elements cannot exceed three. The switching elements provided for the 3-position switch actuators are equipped with max. 2 NC or 2 NO or any combination. The number of switching elements cannot exceed two. |
| 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 rigid: 0.75 mm ² 2 wires flexible: 0.5 mm ² |

AMBIENT CONDITION

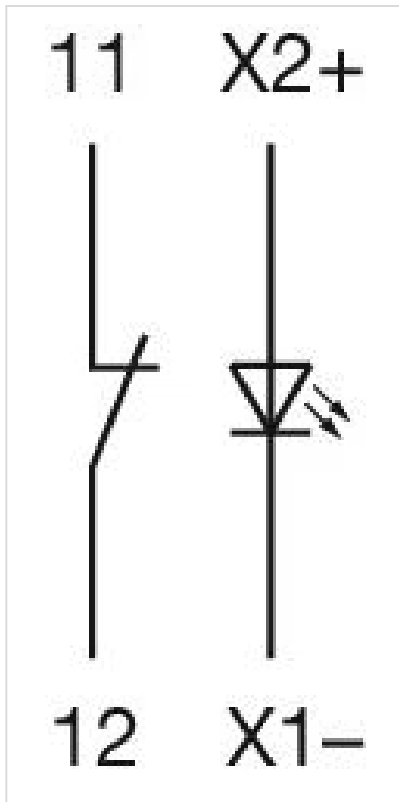
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|-------------------------------|---|
| Operating temperature: | - 25 °C ... + 55 °C |
| Storage temperature: | - 40 °C ... + 85 °C |
| Climate resistance: | Damp heat, cyclic: 96 hours, + 25 °C/97 %, + 55 °C/93 % relative humidity, as per EN IEC 60068-2-30 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 |
| Vibration resistance: | Max. 100 m / s ² from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6) |
| Shock resistance: | Max. 100 m / s ² , pulse width, 3-axis (sinusoidal EN IEC 60068-2-27) |

CERTIFICATE

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| Approbations: | CB (IEC 60947-5-1), CB (IEC 61058-1), CENELEC CCA-NTR (EN 60947-5-1), CQC, CSA, DNV, EAC, ENEC (EN 61058-1), NFF, SEV (EN / IEC 60947-5-1), UL |
| Conformities: | CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD) |

OTHER

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|---------------------------|---|
| Material: | Plastic, according to UL 94 V0 |
| Short Description: | Switching element, Snap-action switching element, 250 V AC/DC @ 5 A, Gold, 1 NC, Plug-in terminal, 2.8 x 0.5 mm |
| Hints: | With lamp terminal |
| Wiring diagrams: | |



Component layouts:

