



Main

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| Range | TeSys |
| Product name | TeSys CAK |
| Product or component type | Control relay |
| Device short name | CA2K |
| Contactor application | Control circuit |
| Utilisation category | AC-15 DC-13 |
| Pole contact composition | 3 NO + 1 NC |
| [Ue] rated operational voltage | ≤ 690 V ≤ 400 Hz |
| Control circuit type | AC 50/60 Hz |
| Control circuit voltage | 200 V AC 50/60 Hz |

Complementary

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|---|---|
| [Ith] conventional free air thermal current | 10 A at ≤ 50 °C |
| Irms rated making capacity | 110 A conforming to IEC 60947 |
| Associated fuse rating | 10 A gG conforming to VDE 0660 10 A gG conforming to IEC 60947 |
| [Ui] rated insulation voltage | 600 V conforming to CSA C22.2 No 14 690 V conforming to BS 5424 750 V conforming to VDE 0110 group C 690 V conforming to IEC 60947 |
| Mounting support | Plate Rail |
| Connections - terminals | Spring terminals 1 cable(s) 0.75...1.5 mm ² - cable stiffness: flexible - without cable end Spring terminals 1 cable(s) 0.75...1.5 mm ² - cable stiffness: solid |
| Control circuit voltage limits | 0.8...1.15 U _c at 50 °C operational 0.2...0.75 U _c at 50 °C drop-out |
| Operating time | 5...15 ms coil energisation and NC opening 15...25 ms coil de-energisation and NC closing 10...20 ms coil energisation and NO closing 10...20 ms coil de-energisation and NO opening |
| Mechanical durability | 10 Mcycles |
| Operating rate | 10000 cyc/h |
| Immunity to microbreaks | 2 ms |
| Inrush power in VA | 30 VA at 20 °C |
| Hold-in power consumption in VA | 4.5 VA at 20 °C |
| Heat dissipation | 1.3 W |
| Minimum switching voltage | 17 V |
| Minimum switching current | 5 mA |
| Non overlap distance | 0.5 mm |
| Insulation resistance | > 10 MOhm |
| Height | 58 mm |
| Width | 45 mm |
| Depth | 57 mm |
| Product weight | 0.18 kg |

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Environment

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| Standards | BS 5424 IEC 60947 NF C 63-140 VDE 0660 |
| Product certifications | CSA UL |
| Protective treatment | TC conforming to IEC 60068 |
| Ambient air temperature for operation | -25...50 °C |
| Ambient air temperature for storage | -50...80 °C |
| Operating altitude | 2000 m without derating in temperature |
| Flame retardance | Requirement 2 conforming to NF F 16-102 Requirement 2 conforming to NF F 16-101 V1 conforming to UL 94 |
| Mechanical robustness | Shocks contactor closed 15 Gn for 11 ms IEC 60068-2-27 Shocks contactor open 10 Gn for 11 ms IEC 60068-2-27 Vibrations contactor closed 4 Gn, 5...300 Hz IEC 60068-2-6 Vibrations contactor open 2 Gn, 5...300 Hz IEC 60068-2-6 |