



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 | DC-13 AC-15 |
| Pole contact composition | 2 NO + 2 NC |
| [Ue] rated operational voltage | <= 690 V <= 400 Hz |
| Control circuit type | AC 50/60 Hz |
| [Uc] control circuit voltage | 120 V AC 50/60 Hz |

Complementary

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| [Ith] conventional free air thermal current | 10 A (at 122 °F (50 °C)) |
| Irms rated making capacity | 110 A IEC 60947 |
| Associated fuse rating | 10 A gG conforming to IEC 60947 10 A gG conforming to VDE 0660 |
| [Ui] rated insulation voltage | 690 V IEC 60947 750 V VDE 0110 group C 690 V BS 5424 600 V CSA C22.2 No 14 |
| Mounting Support | Rail Plate |
| Connections - terminals | Screw clamp terminals 1 0.00...0.01 in ² (1.5...4 mm ²)solid Screw clamp terminals 2 0.00...0.01 in ² (1.5...4 mm ²)solid Screw clamp terminals 1 0.00...0.01 in ² (0.75...4 mm ²)flexible with cable end Screw clamp terminals 2 0.00...0.01 in ² (0.75...4 mm ²)flexible without cable end Screw clamp terminals 1 0.00...0.00 in ² (0.34...1.5 mm ²)flexible with cable end Screw clamp terminals 2 0.00...0.00 in ² (0.34...1.5 mm ²)flexible without cable end |
| Tightening torque | 11.51 Lbf.in (1.3 N.m) screw clamp terminals flat Ø 6 mm 11.51 Lbf.in (1.3 N.m) screw clamp terminals Philips No 2 0.24 in (6 mm) 11.51 lbf.in (1.3 N.m) screw clamp terminals pozidriv No 2 |
| Control circuit voltage limits | Drop-out: 0.2...0.75 Uc (at <122 °F (50 °C)) Operational: 0.8...1.15 Uc (at <122 °F (50 °C)) |
| Operating time | 10...20 ms coil de-energisation and NO opening 10...20 ms coil energisation and NO closing 15...25 ms coil de-energisation and NC closing 5...15 ms coil energisation and NC opening |
| Mechanical durability | 10 Mcycles |
| Maximum operating rate | 10000 cyc/h |
| Immunity to microbreaks | 2 ms |
| Inrush power in VA | 30 VA (at 68 °F (20 °C)) |
| Hold-in power consumption in VA | 4.5 VA (at 68 °F (20 °C)) |
| Heat dissipation | 1.3 W |
| Minimum switching voltage | 17 V |
| Minimum switching current | 5 mA |
| Non overlap distance | 0.02 in (0.5 mm) |
| Insulation resistance | > 10 MOhm |
| Height | 2.28 in (58 mm) |

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| Width | 1.77 in (45 mm) |
| Depth | 2.24 in (57 mm) |
| Net Weight | 0.40 lb(US) (0.18 kg) |

Environment

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| Standards | EN/IEC 60947-4-1 GB/T 14048.4 UL 60947-4-1 CSA C22.2 No 60947-4-1 JIS C8201-4-1 |
| Product Certifications | CB Scheme[RETURN]CCC[RETURN]UL[RETURN]CSA[RETURN]EAC[RETURN]CE[RETURN]UKCA |
| IP degree of protection | IP2X |
| Protective treatment | TC IEC 60068 |
| Ambient Air Temperature for Operation | -13...122 °F (-25...50 °C) |
| Ambient Air Temperature for Storage | -58...176 °F (-50...80 °C) |
| Operating altitude | 6561.68 ft (2000 m) without derating |
| Flame retardance | V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102 |
| Mechanical robustness | Vibrations contactor open2 Gn, 5...300 Hz IEC 60068-2-6 Vibrations contactor closed4 Gn, 5...300 Hz IEC 60068-2-6 Shocks contactor open10 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed15 Gn for 11 ms IEC 60068-2-27 |

Ordering and shipping details

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| Category | 22371-RELAYS, CONTROL |
| Discount Schedule | I12 |
| GTIN | 3389110120721 |
| Returnability | Yes |
| Country of origin | ID |

Packing Units

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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 2.56 in (6.5 cm) |
| Package 1 Width | 1.85 in (4.7 cm) |
| Package 1 Length | 2.40 in (6.1 cm) |
| Package 1 Weight | 6.35 oz (180.0 g) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 50 |
| Package 2 Height | 5.91 in (15.0 cm) |
| Package 2 Width | 11.81 in (30.0 cm) |
| Package 2 Length | 15.75 in (40.0 cm) |
| Package 2 Weight | 20.84 lb(US) (9.455 kg) |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 800 |
| Package 3 Height | 30.31 in (77.0 cm) |
| Package 3 Width | 31.50 in (80.0 cm) |
| Package 3 Length | 23.62 in (60.0 cm) |
| Package 3 Weight | 350.49 lb(US) (158.98 kg) |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Contractual warranty

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| Warranty | 18 months |
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