



ⓘ Discontinued

CA3KN22MD3 has not been replaced. Please contact your customer care center for more information.

Main

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|--------------------------------|------------------|
| Range | TeSys |
| Product name | TeSys CAK |
| Product or component type | Control relay |
| Device short name | CA3K |
| Contacteur 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 | DC standard |
| [Uc] control circuit voltage | 220 V DC |

Complementary

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| Coil technology | Built-in bidirectional peak limiting diode suppressor |
| [Ith] conventional free air thermal current | 10 A 122 °F (50 °C) |
| Irms rated making capacity | 110 A IEC 60947 |
| Associated fuse rating | 10 A gG IEC 60947 10 A gG 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 |

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| 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) |
| Control circuit voltage limits | Operational 0.8...1.15 U _c 122 °F (50 °C) Drop-out 0.1...0.75 U _c 122 °F (50 °C) |
| Operating time | 10 ms coil de-energisation and NO opening 30...40 ms coil energisation and NO closing 15 ms coil de-energisation and NC closing 25...35 ms coil energisation and NC opening |
| Mechanical durability | 20 Mcycles |
| Maximum operating rate | 10000 cyc/h |
| Immunity to microbreaks | 2 ms |
| Inrush power in W | 3 W 68 °F (20 °C) |
| Hold-in power consumption in W | 3 W 68 °F (20 °C) |
| Heat dissipation | 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) |
| Width | 1.77 in (45 mm) |
| Depth | 2.24 in (57 mm) |
| Net weight | 0.50 lb(US) (0.225 kg) |

Environment

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| Standards | BS 5424 IEC 60947 NF C 63-140 VDE 0660 |
| Product certifications | CSA UL |
| 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 |
| Flame retardance | V1 UL 94 Requirement 2 NF F 16-101 Requirement 2 NF F 16-102 |
| Mechanical robustness | Vibrations contactor open 2 Gn, 5...300 Hz IEC 60068-2-6 Vibrations contactor closed 4 Gn, 5...300 Hz IEC 60068-2-6 Shocks contactor open 10 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed 15 Gn for 11 ms IEC 60068-2-27 |

Ordering and shipping details

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| Category | 22371-RELAYS, CONTROL |
| Discount Schedule | I12 |
| GTIN | 03389110483949 |
| Returnability | No |

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 Carcinogen harm. 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](#)

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|----------------------------|--|
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information. |
| 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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