

Product datasheet

Specifications



TeSys K control relay - 2 NO + 2 NC - <= 690 V - 230...240 V AC coil

CA2KN223U7

EAN Code: 3389110241648

❗ Discontinued

Main

| | |
|--------------------------------|-------------------------|
| 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 | 2 NO + 2 NC |
| [Ue] Rated Operational Voltage | <= 690 V <= 400 Hz |
| Control Circuit Type | AC at 50/60 Hz |
| [Uc] Control Circuit Voltage | 230...240 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 IEC 60947 10 A gG conforming to VDE 0660 |
| [Ui] Rated Insulation Voltage | 690 V conforming to IEC 60947 750 V conforming to VDE 0110 group C 690 V conforming to BS 5424 600 V conforming to CSA C22.2 No 14 |
| Mounting Support | Plate Rail |
| Connections - Terminals | Spring terminals 1 cable(s) 0.75...1.5 mm²solid Spring terminals 1 cable(s) 0.75...1.5 mm²flexible without cable end |
| Control Circuit Voltage Limits | Drop-out: 0.2...0.75 Uc (at <50 °C) Operational: 0.8...1.15 Uc (at <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 20 °C) |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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|---------------------------------|-------------------|
| 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 |
| Net Weight | 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 CCC UL CSA EAC CE UKCA |
| 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 |
| 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 open: 2 Gn, 5...300 Hz conforming to IEC 60068-2-6 Vibrations contactor closed: 4 Gn, 5...300 Hz conforming to IEC 60068-2-6 Shocks contactor open: 10 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor closed: 15 Gn for 11 ms conforming to IEC 60068-2-27 |

Packing Units

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|------------------------------|-----|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |

Contractual warranty

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| Warranty | 18 months |
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