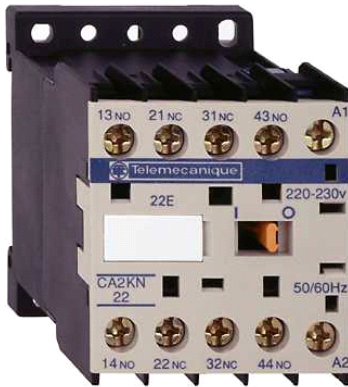


CA2KN31E7

TeSys K control relay - 3 NO + 1 NC - ≤ 690 V - 48 V AC coil



Main

| | |
|--------------------------------|-----------------------|
| Range of product | TeSys K control relay |
| Product or component type | Control relay |
| Device short name | CA2K |
| Contactors 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 | 48 V AC 50/60 Hz |

Complementary

| | |
|---|--|
| [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 BS 5424 690 V conforming to IEC 60947 750 V conforming to VDE 0110 group C 600 V conforming to CSA C22.2 No 14 |
| Mounting support | Plate Rail |
| Connections - terminals | Screw clamp terminals 1 cable(s) 1.5...4 mm ² - cable stiffness: solid Screw clamp terminals 2 cable(s) 1.5...4 mm ² - cable stiffness: solid Screw clamp terminals 2 cable(s) 0.75...4 mm ² - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0.75...4 mm ² - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 0.34...1.5 mm ² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0.34...1.5 mm ² - cable stiffness: flexible - without cable end |
| Tightening torque | 1.3 N.m - on screw clamp terminals - with screwdriver Philips No 2 6 mm 1.3 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm |
| 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 | 10...20 ms coil de-energisation and NO opening 5...15 ms coil energisation and NC opening 10...20 ms coil energisation and NO closing 15...25 ms coil de-energisation and NC closing |
| 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 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

| | |
|----------------|---------|
| Product weight | 0.18 kg |
|----------------|---------|

Environment

| | |
|---------------------------------------|--|
| Standards | BS 5424 IEC 60947 NF C 63-140 VDE 0660 |
| Product certifications | CSA UL |
| IP degree of protection | IP2x |
| 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 | 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 closed 4 Gn, 5...300 Hz IEC 60068-2-6 Vibrations contactor open 2 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 |

Offer Sustainability

| | |
|------|---------------|
| RoHS | 3389110500356 |
|------|---------------|