



TeSys K control relay - 3 NO + 1 NC - <= 690 V - 24 V AC coil

CA2KN313B7

! Discontinued on: 6 Jul 2020

EAN Code: 3389110241655

(!) Discontinued

Main

| 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 | 3 NO + 1 NC | |
| [Ue] Rated Operational Voltage | <= 690 V <= 400 Hz | |
| Control Circuit Type | AC at 50/60 Hz | |
| [Uc] Control Circuit Voltage | 24 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 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 | Rail Plate |
| Connections - Terminals | Spring terminals 1 cable(s) 0.751.5 mm²solid Spring terminals 1 cable(s) 0.751.5 mm²flexible without cable end |
| Control Circuit Voltage Limits | Drop-out: 0.20.75 Uc (at <50 °C) Operational: 0.81.15 Uc (at <50 °C) |
| Operating Time | 1020 ms coil de-energisation and NO opening 1020 ms coil energisation and NO closing 1525 ms coil de-energisation and NC closing 515 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) |

| 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

| 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 | -2550 °C | |
| Ambient Air Temperature For Storage | -5080 °C | |
| Operating Altitude | 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, 5300 Hz conforming to IEC 60068-2-6 Vibrations contactor closed: 4 Gn, 5300 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

| Unit Type Of Package 1 | PCE |
|------------------------------|--------|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 4.8 cm |
| Package 1 Width | 6.5 cm |
| Package 1 Length | 6.2 cm |
| Package 1 Weight | 207 g |

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

| ⊘ | Reach Free Of Svhc | |
|----------|----------------------------|-----|
| ⊘ | Toxic Heavy Metal Free | |
| ⊘ | Mercury Free | |
| ⊘ | Rohs Exemption Information | Yes |

Certifications & Standards

| Eu Rohs Directive | Compliant |
|--------------------------|---|
| | EU RoHS Declaration |
| China Rohs Regulation | China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope) |
| Environmental Disclosure | Product Environmental Profile |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile | End of Life Information |