Product datasheet

Specifications





TeSys D control relay - 5 NO - <= 690 V - 110 V AC standard coil

CAD506F7

Main

| Range | TeSys TeSys Deca |
|---------------------------|---------------------|
| Product Name | TeSys CAD |
| Product Or Component Type | Control relay |
| Device Short Name | CAD |
| Contactor Application | Control circuit |

Complementary

| Complementary | |
|--|---|
| Utilisation Category | DC-13 AC-14 |
| | AC-14 AC-15 |
| Pole Contact Composition | 5 NO |
| [Ue] Rated Operational Voltage | <= 690 V AC 25400 Hz |
| Control Circuit Type | AC at 50/60 Hz |
| [Uc] Control Circuit Voltage | 110 V AC 50/60 Hz |
| [Uimp] Rated Impulse Withstand Voltage | 6 kV conforming to IEC 60947 |
| [Ith] Conventional Free Air Thermal Current | 10 A (at 60 °C) |
| Irms Rated Making Capacity | 140 A AC conforming to IEC 60947-5-1 250 A DC conforming to IEC 60947-5-1 |
| [Icw] Rated Short-Time Withstand | 100 A - 1 s |
| Current | 120 A - 500 ms 140 A - 100 ms |
| Associated Fuse Rating | 10 A gG conforming to IEC 60947-5-1 |
| [Ui] Rated Insulation Voltage | 600 V UL certified |
| | 600 V CSA certified 690 V conforming to IEC 60947-5-1 |
| Mounting Support | Plate |
| | Rail |
| Connections - Terminals | Lugs-ring terminals (external diameter: 8 mm) |
| Control Circuit Voltage Limits | 0.30.6 Uc (-4070 °C):drop-out AC 50/60 Hz |
| | 0.81.1 Uc (-4060 °C):operational AC 50 Hz 0.851.1 Uc (-4060 °C):operational AC 60 Hz |
| | 11.1 Uc (6070 °C):operational AC 50/60 Hz |
| Operating Time | 1222 ms coil energisation and NO closing |
| | 412 ms coil de-energisation and NO opening |
| Mechanical Durability | 30 Mcycles |
| Maximum Operating Rate | 180 cyc/mn |

| Inrush Power In Va | 70 VA 50 Hz (at 20 °C) |
|---------------------------------|--|
| Hold-In Power Consumption In Va | 8 VA 50 Hz (at 20 °C) |
| Minimum Switching Voltage | 17 V |
| Minimum Switching Current | 5 mA |
| Non-Overlap Time | 1.5 ms on energisation between NC and NO contact 1.5 ms on de-energisation between NC and NO contact |
| Insulation Resistance | > 10 MOhm |
| Mechanical Robustness | Shocks control relay open: 10 Gn for 11 ms conforming to IEC 60068-2-27 Shocks control relay closed: 15 Gn for 11 ms conforming to IEC 60068-2-27 Vibrations control relay open: 2 Gn, 5300 Hz conforming to IEC 60068-2-6 Vibrations control relay closed: 4 Gn, 5300 Hz conforming to IEC 60068-2-6 |
| Height | 77 mm |
| Width | 45 mm |
| Depth | 84 mm |
| Net Weight | 0.58 kg |
| | |

Environment

| Standards | EN/IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1 |
|--|---|
| Product Certifications | CB CCC UL CSA EAC CE UKCA |
| Ip Degree Of Protection | IP2X front face conforming to VDE 0106 |
| Protective Treatment | TH conforming to IEC 60068 |
| Ambient Air Temperature For Operation | -40…60 °C 60…70 °C with derating |
| Ambient Air Temperature For Storage | -6080 °C |
| Operating Altitude | 03000 m |

Packing Units

| Unit Type Of Package 1 | PCE |
|------------------------------|---------|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 4.9 cm |
| Package 1 Width | 11.1 cm |
| Package 1 Length | 8.9 cm |
| Package 1 Weight | 362.0 g |

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information

Certifications & Standards

| Reach Regulation | REACh Declaration |
|--------------------------|---|
| Eu Rohs Directive | Compliant with Exemptions |
| China Rohs Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| 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 |