

# Product data sheet

Specifications



## Control relay, TeSys Deca, 3NO+2NC, 0 to 690V, 24VDC standard coil, Lugs-ring terminals

CAD326BD

### Main

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

### Complementary

|   |  |
|---|--|
| Utilisation Category                        | AC-14<br>AC-15<br>DC-13  |
| Pole Contact Composition                    | 3 NO + 2 NC  |
| [Ue] Rated Operational Voltage              | <= 690 V AC 25...400 Hz  |
| Control Circuit Type                        | DC standard  |
| [Uc] Control Circuit Voltage                | 24 V DC  |
| [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<br>250 A DC conforming to IEC 60947-5-1   |
| [Icw] Rated Short-Time Withstand Current    | 100 A - 1 s<br>120 A - 500 ms<br>140 A - 100 ms  |
| Associated Fuse Rating                      | 10 A gG conforming to IEC 60947-5-1  |
| [Ui] Rated Insulation Voltage               | 600 V UL certified<br>600 V CSA certified<br>690 V conforming to IEC 60947-5-1   |
| Mounting Support                            | Plate<br>Rail  |
| Connections - Terminals                     | Lugs-ring terminals (external diameter: 8 mm)  |
| Control Circuit Voltage Limits              | 0.1...0.25 Uc (-40...70 °C):drop-out DC<br>0.7...1.25 Uc (-40...60 °C):operational DC<br>1...1.25 Uc (60...70 °C):operational DC   |
| Operating Time                              | 53...72 ms coil energisation and NO closing<br>16...24 ms coil de-energisation and NO opening<br>47...63 ms coil energisation and NC opening<br>15...25 ms coil de-energisation and NC closing |
| Mechanical Durability                       | 30 Mcycles   |
| Maximum Operating Rate                      | 180 cyc/mn   |

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

|                                |  |
|--------------------------------|--|
| Time Constant                  | 28 ms  |
| Inrush Power In W              | 5.4 W (at 20 °C)   |
| Hold-In Power Consumption In W | 5.4 W 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<br>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<br>Shocks control relay closed: 15 Gn for 11 ms conforming to IEC 60068-2-27<br>Vibrations control relay open: 2 Gn, 5...300 Hz conforming to IEC 60068-2-6<br>Vibrations control relay closed: 4 Gn, 5...300 Hz conforming to IEC 60068-2-6 |
| Height                         | 77 mm  |
| Width                          | 45 mm  |
| Depth                          | 93 mm  |
| Net Weight                     | 0.58 kg  |

## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | EN/IEC 60947-5-1<br>GB/T 14048.5<br>UL 60947-5-1<br>CSA C22.2 No 60947-5-1<br>JIS C8201-5-1 |
| Product Certifications                | CB<br>CCC<br>UL<br>CSA<br>EAC<br>CE<br>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<br>60...70 °C with derating   |
| Ambient Air Temperature For Storage   | -60...80 °C   |
| Operating Altitude                    | 0...3000 m  |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 5.500 cm  |
| Package 1 Width              | 9.500 cm  |
| Package 1 Length             | 12.000 cm |
| Package 1 Weight             | 544.000 g |
| Unit Type Of Package 2       | S02       |
| Number Of Units In Package 2 | 16        |
| Package 2 Height             | 15.000 cm |
| Package 2 Width              | 30.000 cm |

|                  |           |
|------------------|-----------|
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 9.100 kg  |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

# Sustainability

**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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

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Transparency   RoHS/REACH

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   [Yes](#)

## Certifications & Standards

|                           |   |
|---------------------------|---|
| Reach Regulation          | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive         | Compliant with Exemptions   |
| China Rohs Regulation     | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information   |
| Environmental Disclosure  | <a href="#">Product Environmental Profile</a>   |
| Weee                      | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins   |
| Circularity Profile       | <a href="#">End of Life Information</a>   |
| 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 cancer. For more information go to <a href="#">www.P65Warnings.ca.gov</a> |