

# Product data sheet

Specifications



## Control relay, TeSys Deca, 3NO+2NC, 0 to 690V, 32VAC 50/60Hz standard coil, screw clamp

CAD32C7

Product availability: Non-Stock - Not normally stocked in distribution facility

Price\*: 63.25 USD

### Main

|                           |                 |
|---------------------------|-----------------|
| Range                     | TeSys           |
| 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                        | AC 50/60 Hz  |
| [Uc] control circuit voltage                | 32 V AC 50/60 Hz   |
| [Uimp] rated impulse withstand voltage      | 6 kV IEC 60947   |
| [Ith] conventional free air thermal current | 10 A (at 140 °F (60 °C))   |
| Irms rated making capacity                  | 140 A AC IEC 60947-5-1<br>250 A DC 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<br>600 V CSA<br>690 V IEC 60947-5-1   |
| Mounting Support                            | Plate<br>Rail  |
| Connections - terminals                     | screw clamp terminals 1 0.002...0.006 in <sup>2</sup> (1...4 mm <sup>2</sup> )flexible without cable end<br>screw clamp terminals 2 0.002...0.006 in <sup>2</sup> (1...4 mm <sup>2</sup> )flexible without cable end<br>screw clamp terminals 1 0.002...0.006 in <sup>2</sup> (1...4 mm <sup>2</sup> )flexible with cable end<br>screw clamp terminals 2 0.002...0.004 in <sup>2</sup> (1...2.5 mm <sup>2</sup> )flexible with cable end<br>screw clamp terminals 1 0.002...0.006 in <sup>2</sup> (1...4 mm <sup>2</sup> )solid without cable end<br>screw clamp terminals 2 0.002...0.006 in <sup>2</sup> (1...4 mm <sup>2</sup> )solid without cable end |
| Tightening torque                           | 10.6 lbf.in (1.2 N.m) screw clamp terminals Philips No 2<br>10.6 lbf.in (1.2 N.m) screw clamp terminals flat Ø 6 mm  |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

|  |   |
|--|---|
| <b>Control circuit voltage limits</b>  | 0.3...0.6 Uc -40...158 °F (-40...70 °C) drop-out AC 50/60 Hz<br>0.8...1.1 Uc -40...140 °F (-40...60 °C) operational AC 50 Hz<br>0.85...1.1 Uc -40...140 °F (-40...60 °C) operational AC 60 Hz<br>1...1.1 Uc 140...158 °F (60...70 °C) operational AC 50/60 Hz |
| <b>Operating time</b>                  | 12...22 ms coil energisation and NO closing<br>4...12 ms coil de-energisation and NO opening<br>4...19 ms coil energisation and NC opening<br>6...17 ms coil de-energisation and NC closing   |
| <b>Mechanical durability</b>           | 30 Mcycles  |
| <b>Maximum operating rate</b>          | 180 cyc/mn  |
| <b>Inrush power in VA</b>              | 70 VA 50 Hz (at 68 °F (20 °C))  |
| <b>Hold-in power consumption in VA</b> | 8 VA 50 Hz (at 68 °F (20 °C))   |
| <b>Minimum switching voltage</b>       | 17 V  |
| <b>Minimum switching current</b>       | 5 mA  |
| <b>Non-overlap time</b>                | 1.5 ms on energisation between NC and NO contact<br>1.5 ms on de-energisation between NC and NO contact   |
| <b>Insulation resistance</b>           | > 10 MOhm   |
| <b>Mechanical robustness</b>           | Shocks control relay open 10 Gn for 11 ms IEC 60068-2-27<br>Shocks control relay closed 15 Gn for 11 ms IEC 60068-2-27<br>Vibrations control relay open 2 Gn, 5...300 Hz IEC 60068-2-6<br>Vibrations control relay closed 4 Gn, 5...300 Hz IEC 60068-2-6      |
| <b>Height</b>                          | 3.03 in (77 mm)   |
| <b>Width</b>                           | 1.8 in (45 mm)  |
| <b>Depth</b>                           | 3.3 in (84 mm)  |
| <b>Net Weight</b>                      | 1.28 lb(US) (0.58 kg)   |

## Environment

|  |   |
|--|---|
| <b>Standards</b>                             | 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 |
| <b>Product Certifications</b>                | CB<br>CCC<br>UL<br>CSA<br>EAC<br>CE<br>UKCA   |
| <b>IP degree of protection</b>               | IP2X front face VDE 0106  |
| <b>Protective treatment</b>                  | TH IEC 60068  |
| <b>Ambient air temperature for operation</b> | -40...140 °F (-40...60 °C)<br>140...158 °F (60...70 °C) with derating                       |
| <b>Ambient Air Temperature for Storage</b>   | -76...176 °F (-60...80 °C)  |
| <b>Operating altitude</b>                    | 0...9842.52 ft (0...3000 m)   |

## Ordering and shipping details

|                          |               |
|--------------------------|---------------|
| <b>Category</b>          | US10I1222371  |
| <b>Discount Schedule</b> | 0112          |
| <b>GTIN</b>              | 3389110399295 |
| <b>Returnability</b>     | No            |

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|                   |    |
|-------------------|----|
| Country of origin | FR |
|-------------------|----|

## Packing Units

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|                        |     |
|------------------------|-----|
| Unit Type of Package 1 | PCE |
|------------------------|-----|

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|                              |   |
|------------------------------|---|
| Number of Units in Package 1 | 1 |
|------------------------------|---|

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|                  |                  |
|------------------|------------------|
| Package 1 Height | 3.70 in (9.4 cm) |
|------------------|------------------|

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|                 |                  |
|-----------------|------------------|
| Package 1 Width | 3.19 in (8.1 cm) |
|-----------------|------------------|

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|                  |                  |
|------------------|------------------|
| Package 1 Length | 2.13 in (5.4 cm) |
|------------------|------------------|

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|                  |                   |
|------------------|-------------------|
| Package 1 Weight | 10.6 oz (300.0 g) |
|------------------|-------------------|

## Contractual warranty

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|          |           |
|----------|-----------|
| 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.

[Learn more about Green Premium >](#)

[How we assess product sustainability >](#)



Transparency

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

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](#)

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 [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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