Product data sheet

Specification





TeSys Deca control relay, 3 NO and 2 NC, 600 V, 24 VDC standard coil

CAD32BD

Product availability: Stock - Normally stocked in distribution

facility

Price*: 112.20 USD

Main

| Maiii | |
|---------------------------|---------------------|
| 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-15 | |
| | AC-14 | |
| Pole Contact Composition | 3 NO + 2 NC | |
| [Ue] Rated Operational Voltage | <= 690 V AC 25400 Hz | |
| Control Circuit Type | DC standard | |
| [Uc] Control Circuit Voltage | 24 V DC | |
| [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 | |
| g expanity | 250 A DC 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 | |
| | 600 V CSA | |
| | 690 V IEC 60947-5-1 | |
| Mounting Support | Rail | |
| | Plate | |
| Connections - Terminals | screw clamp terminals 1 0.000.01 in² (14 mm²)flexible without cable end | |
| | screw clamp terminals 2 0.000.01 in² (14 mm²)flexible without cable end | |
| | screw clamp terminals 1 0.000.01 in² (14 mm²)flexible with cable end | |
| | screw clamp terminals 2 0.000.00 in² (12.5 mm²)flexible with cable end | |
| | screw clamp terminals 1 0.000.01 in² (14 mm²)solid without cable end | |
| | screw clamp terminals 2 0.000.01 in² (14 mm²)solid without cable end | |
| Tightening Torque | 10.62 lbf.in (1.2 N.m) screw clamp terminals Philips No 2 | |
| | 10.62 lbf.in (1.2 N.m) screw clamp terminals flat Ø 6 mm | |
| | 10.62 lbf.in (1.2 N.m) screw clamp terminals pozidriv No 2 | |

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

| Control Circuit Voltage Limits Operating Time | 0.10.25 Uc -40158 °F (-4070 °C) drop-out DC 0.71.25 Uc -40140 °F (-4060 °C) operational DC 11.25 Uc 140158 °F (6070 °C) operational DC 5372 ms coil energisation and NO closing 1624 ms coil de-energisation and NO opening 4763 ms coil energisation and NC opening 1525 ms coil de-energisation and NC closing | |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Operating Time | 1624 ms coil de-energisation and NO opening 4763 ms coil energisation and NC opening | |
| | 1525 ms coil de-energisation and NC closing | |
| Mechanical Durability | 30 Mcycles | |
| Maximum Operating Rate | 180 cyc/mn | |
| Time Constant | 28 ms | |
| Inrush Power In W | 5.4 W 68 °F (20 °C)) | |
| Hold-In Power Consumption In W | 5.4 W 68 °F (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 open10 Gn for 11 ms IEC 60068-2-27 Shocks control relay closed15 Gn for 11 ms IEC 60068-2-27 Vibrations control relay open2 Gn, 5300 Hz IEC 60068-2-6 Vibrations control relay closed4 Gn, 5300 Hz IEC 60068-2-6 | |
| Height | 3.03 in (77 mm) | |
| Width | 1.77 in (45 mm) | |
| Depth | 3.66 in (93 mm) | |
| Net Weight | 1.28 lb(US) (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 VDE 0106 | |
| Protective Treatment | TH IEC 60068 | |
| Ambient Air Temperature For Operation | -40140 °F (-4060 °C) 140158 °F (6070 °C) with derating | |
| Ambient Air Temperature For Storage | -76176 °F (-6080 °C) | |
| Operating Altitude | 09842.52 ft (03000 m) | |

Ordering and shipping details

| Category | US10l1222371 | |
|-------------------|---------------|--|
| Discount Schedule | 0112 | |
| Gtin | 3389110404166 | |
| Returnability | Yes | |

Country Of Origin US

Packing Units

| Unit Type Of Package 1 | PCE | |
|------------------------------|----------------------------|--|
| Number Of Units In Package 1 | 1 | |
| Package 1 Height | 2.05 in (5.200 cm) | |
| Package 1 Width | 3.62 in (9.200 cm) | |
| Package 1 Length | 4.41 in (11.200 cm) | |
| Package 1 Weight | 18.62 oz (528.000 g) | |
| Unit Type Of Package 2 | S02 | |
| Number Of Units In Package 2 | 15 | |
| Package 2 Height | 5.91 in (15.000 cm) | |
| Package 2 Width | 11.81 in (30.000 cm) | |
| Package 2 Length | 15.75 in (40.000 cm) | |
| Package 2 Weight | 18.21 lb(US) (8.262 kg) | |
| Unit Type Of Package 3 | P06 | |
| Number Of Units In Package 3 | 240 | |
| Package 3 Height | 29.53 in (75.000 cm) | |
| Package 3 Width | 23.62 in (60.000 cm) | |
| Package 3 Length | 31.50 in (80.000 cm) | |
| Package 3 Weight | 313.10 lb(US) (142.020 kg) | |

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.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

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 |
| 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 |