



Main

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| Range | TeSys TeSys Deca |
| Product name | TeSys CAD |
| Product or Component Type | Control relay |
| Device short name | CAD |
| Contactor application | Control circuit |

Complementary

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|---|--|
| Utilisation category | DC-13 AC-14 AC-15 |
| 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 | 220 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 6 kV IEC 60947 |
| [Ith] conventional free air thermal current | 10 A 140 °F (60 °C) |
| Irms rated making capacity | 140 A AC IEC 60947-5-1 250 A DC IEC 60947-5-1 |
| [Icw] rated short-time withstand current | 100 A - 1 s 120 A - 500 ms 140 A - 100 ms |
| Associated fuse rating | 10 A gG IEC 60947-5-1 |
| [Ui] rated insulation voltage | 600 V UL 600 V CSA 690 V IEC 60947-5-1 |
| Mounting Support | Plate Rail |
| Connections - terminals | Screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²)flexible without cable end Screw clamp terminals 2 0.00...0.01 in ² (1...4 mm ²)flexible without cable end Screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²)flexible with cable end Screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²)flexible with cable end Screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²)solid without cable end Screw clamp terminals 2 0.00...0.01 in ² (1...4 mm ²)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 |
| Control circuit voltage limits | 0.3...0.6 Uc -40...158 °F (-40...70 °C) drop-out AC 50/60 Hz 0.8...1.1 Uc -40...140 °F (-40...60 °C) operational AC 50 Hz 0.85...1.1 Uc -40...140 °F (-40...60 °C) operational AC 60 Hz 1...1.1 Uc 140...158 °F (60...70 °C) operational AC 50/60 Hz |
| Operating time | 12...22 ms coil energisation and NO closing 4...12 ms coil de-energisation and NO opening 4...19 ms coil energisation and NC opening 6...17 ms coil de-energisation and NC closing |
| Mechanical durability | 30 Mcycles |
| Maximum operating rate | 180 cyc/mn |
| Inrush power in VA | 70 VA 50 Hz 68 °F (20 °C)) |

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| Hold-in power consumption in VA | 8 VA 50 Hz 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 open 10 Gn for 11 ms IEC 60068-2-27 Shocks control relay closed 15 Gn for 11 ms IEC 60068-2-27 Vibrations control relay open 2 Gn, 5...300 Hz IEC 60068-2-6 Vibrations control relay closed 4 Gn, 5...300 Hz IEC 60068-2-6 |
| Height | 3.03 in (77 mm) |
| Width | 1.77 in (45 mm) |
| Depth | 3.31 in (84 mm) |
| Net Weight | 1.28 lb(US) (0.58 kg) |

Environment

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| Standards | BS 4794 EN 60947-5 IEC 60947-5-1 NF C 63-140 VDE 0660 IEC 60335-1 |
| Product Certifications | CSA UL UKCA |
| IP degree of protection | IP2x front face VDE 0106 |
| Protective treatment | TH IEC 60068 |
| Ambient air temperature for operation | -40...140 °F (-40...60 °C) 140...158 °F (60...70 °C) with derating |
| Ambient Air Temperature for Storage | -76...176 °F (-60...80 °C) |
| Operating altitude | 0...9842.52 ft (0...3000 m) |

Ordering and shipping details

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| Category | 22371-RELAYS, CONTROL |
| Discount Schedule | I12 |
| GTIN | 3389110401424 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 12.52 oz (355.0 g) |
| Returnability | Yes |
| Country of origin | ID |

Packing Units

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|------------------------------|---------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 1.97 in (5 cm) |
| Package 1 width | 3.54 in (9 cm) |
| Package 1 Length | 4.41 in (11.2 cm) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 20 |
| Package 2 Weight | 16.23 lb(US) (7.36 kg) |
| Package 2 Height | 5.91 in (15 cm) |
| Package 2 width | 11.81 in (30 cm) |
| Package 2 Length | 15.75 in (40 cm) |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 320 |
| Package 3 Weight | 277.25 lb(US) (125.76 kg) |
| Package 3 Height | 29.53 in (75 cm) |
| Package 3 width | 31.50 in (80 cm) |
| Package 3 Length | 23.62 in (60 cm) |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| 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 |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Contractual warranty

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| Warranty | 18 months |
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