



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



Main

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|---------------------------|-----------------|
| Range | TeSys |
| Product name | TeSys CAD |
| Product or component type | Control relay |
| Device short name | CAD |
| Contact application | Control circuit |

Complementary

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|---|--|
| Utilisation category | DC-13 AC-15 AC-14 |
| Pole contact composition | 5 NO |
| [Ue] rated operational voltage | ≤ 690 V AC 25...400 Hz |
| Control circuit type | AC 50/60 Hz |
| [Uc] control circuit voltage | 230 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 |
| Control circuit voltage limits | Operational 0.8...1.1 Uc 50 Hz Operational 0.85...1.1 Uc 60 Hz Drop-out 0.3...0.6 Uc |
| Operating time | 12...22 ms coil energisation and NO closing 4...12 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 68 °F (20 °C)) |
| Hold-in power consumption in VA | 8 VA 50 Hz 68 °F (20 °C)) |
| Minimum switching voltage | 17 V |

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| 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) |
| Product 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 |
| Product certifications | UL CSA |
| IP degree of protection | IP2x front face VDE 0106 |
| Protective treatment | TH IEC 60068 |
| Ambient air temperature for operation | -40...158 °F (-40...70 °C) |
| Ambient air temperature for storage | -76...176 °F (-60...80 °C) |
| Operating altitude | 9842.52 ft (3000 m) without |

Ordering and shipping details

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|---------------------|-------------------------|
| Category | 22371 - RELAYS, CONTROL |
| Discount Schedule | I12 |
| GTIN | 00785901293217 |
| Package weight(Lbs) | 0.58 kg (1.28 lb(US)) |
| Returnability | No |
| Country of origin | FR |

Offer Sustainability

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|----------------------------|--|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| 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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