

Main

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| Range | TeSys |
| Product name | TeSys CAD |
| Product or component type | Control relay |
| Device short name | CAD |
| Contactor application | Control circuit |
| Utilisation category | AC-14 AC-15 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 |
| Control circuit voltage | 48 V AC 50/60 Hz |

Complementary

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| [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 | 250 A DC conforming to IEC 60947-5-1 140 A AC conforming to IEC 60947-5-1 |
| [Icw] rated short-time withstand current | 140 A 100 ms 120 A 500 ms 100 A 1 s |
| Associated fuse rating | 10 A gG conforming to IEC 60947-5-1 |
| [Ui] rated insulation voltage | 690 V conforming to IEC 60947-5-1 600 V certifications CSA 600 V certifications UL |
| Mounting support | Plate Rail |
| Connections - terminals | Spring terminals 2 cable(s) 1...2.5 mm ² - cable stiffness: solid - without cable end Spring terminals 1 cable(s) 1...2.5 mm ² - cable stiffness: solid - without cable end Spring terminals 2 cable(s) 1...2.5 mm ² - cable stiffness: flexible - without cable end Spring terminals 1 cable(s) 1...2.5 mm ² - cable stiffness: flexible - without cable end |
| Control circuit voltage limits | 0.3...0.6 U _c drop-out 0.85...1.1 U _c operational 60 Hz 0.8...1.1 U _c operational 50 Hz |
| Operating time | 6...17 ms coil de-energisation and NC closing 4...19 ms coil energisation and NC opening 4...12 ms coil de-energisation and NO opening 12...22 ms coil energisation and NO closing |
| Mechanical durability | 30 Mcycles |
| Operating rate | 180 cyc/mn |
| Inrush power in VA | 70 VA at 20 °C 50 Hz |
| Hold-in power consumption in VA | 8 VA at 20 °C 50 Hz |
| Minimum switching voltage | 17 V |
| Minimum switching current | 5 mA |
| Non-overlap time | 1.5 ms on de-energisation (between NC and NO contact) 1.5 ms on energisation (between NC and NO contact) |
| Insulation resistance | > 10 MOhm |
| Height | 99 mm |
| Width | 45 mm |

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| Depth | 84 mm |
| Product weight | 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 | CSA UL |
| IP degree of protection | IP2x front face conforming to VDE 0106 |
| Protective treatment | TH conforming to IEC 60068 |
| Ambient air temperature for operation | -40...70 °C |
| Ambient air temperature for storage | -60...80 °C |
| Operating altitude | 3000 m without derating in temperature |
| Mechanical robustness | Vibrations control relay closed 4 Gn, 5...300 Hz IEC 60068-2-6 Vibrations control relay open 2 Gn, 5...300 Hz IEC 60068-2-6 Shocks control relay closed 15 Gn for 11 ms IEC 60068-2-27 Shocks control relay open 10 Gn for 11 ms IEC 60068-2-27 |