



Main

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| Range of product | TeSys D |
| Product or component type | Auxiliary contactor |
| Device short name | CAD |
| Contact application | Control circuit |
| Utilisation category | DC-13 |
| Control circuit type | DC |
| Coil type | Low consumption |
| Suppressor technology | Bidirectional peak limiting diode |
| Pole contact composition | 5 NO |
| [Uc] control circuit voltage | 48 V DC |
| Connections - terminals | Screwclamp terminal 1 cable 1...4 mm ² - cable stiffness: flexible - without cable end Screwclamp terminal 2 cable 1...4 mm ² - cable stiffness: flexible - without cable end Screwclamp terminal 1 cable 1...4 mm ² - cable stiffness: flexible - with cable end Screwclamp terminal 2 cable 1...2.5 mm ² - cable stiffness: flexible - with cable end Screwclamp terminal 1 cable 1...4 mm ² - cable stiffness: solid - without cable end Screwclamp terminal 2 cable 1...4 mm ² - cable stiffness: solid - without cable end |

Complementary

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| Contact operation | Mechanically linked conforming to IEC 60947-5-1 |
| Control circuit voltage limits | 0.1...0.25 Uc drop-out 0.7...1.25 Uc operational |
| Time constant | 40 ms |
| [Ui] rated insulation voltage | 600 V - certifications UL 600 V - certifications CSA 690 V - overvoltage category III (pollution degree 3) - conforming to IEC 60947-5-1 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947 |
| Tightening torque | 1.7 N.m - on screwclamp terminal |
| [Ue] rated operational voltage | <= 690 V DC |
| [Ith] conventional free air thermal current | 10 A at ≤ 60 °C |
| Irms rated making capacity | 250 A at <= 690 V DC conforming to IEC 60947-5-1 |
| Associated fuse rating | 10 A gG at <= 690 V conforming to IEC 60947-5-1 |
| Inrush power in W | 2.4 W at 20 °C |
| Hold-in power consumption in W | 2.4 W at 20 °C |
| Mechanical durability | 30000000 cycles |
| Operating rate | 3 cyc/s at 20 °C |
| Operating time | 27 ms +/- 20 % coil de-energisation and NO opening 35 ms +/- 20 % coil de-energisation and NC closing 67 ms +/- 15 % coil energisation and NC opening 77 ms +/- 15 % coil energisation and NO closing |
| Minimum switching current | 5 mA |
| Minimum switching voltage | 17 V |
| Non-overlap time | 1.5 ms on energisation between NC and NO contacts 1.5 ms on de-energisation between NC and NO contacts |
| Insulation resistance | > 10 MOhm |

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| Height | 77 mm |
| Width | 45 mm |
| Depth | 95 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 conforming to VDE 0106 |
| Protective treatment | TH conforming to IEC 60068 |
| Ambient air temperature for operation | -40...70 °C at Uc -5...60 °C at 0.8...1.1 Uc |
| Ambient air temperature for storage | -60...80 °C |
| Operating altitude | 3000 m without derating in temperature |
| Shock resistance | 10 gn control relay open 15 gn control relay closed |
| Vibration resistance | 2 gn 5...300 Hz control relay open 4 gn 5...300 Hz control relay closed |
| RoHS EUR conformity date | 0627 |
| RoHS EUR status | Compliant |