

CAD50M7

contactor TeSys CAD-50 - 5 NO -
instantaneous - 10 A - 220 V AC



Main

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|---------------------------|--|
| Range of product | TeSys D |
| Product or component type | Auxiliary contactor |
| Device short name | CAD |
| Contactors application | Control circuit |
| Utilisation category | AC-14 AC-15 |
| Control circuit type | AC |
| Coil type | Standard |
| Suppressor technology | Without built-in |
| Pole contact composition | 5 NO |
| Control circuit voltage | 220 V AC 50/60 Hz |
| Connections - terminals | Screwclamp terminal 1 1...4 mm ² flexible without Screwclamp terminal 2 1...4 mm ² flexible without Screwclamp terminal 1 1...4 mm ² flexible with Screwclamp terminal 2 1...2,5 mm ² flexible with Screwclamp terminal 1 1...4 mm ² solid without Screwclamp terminal 2 1...4 mm ² solid without |

Complementary

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|---|---|
| Contact operation | Mechanically linked IEC 60947-5-1 |
| Control circuit voltage limits | 0.3...0.6 U _c drop-out 0.8...1.1 U _c operational 50 Hz 0.85...1.1 U _c operational 60 Hz |
| [Ui] rated insulation voltage | 600 V UL 600 V CSA 690 V III IEC 60947-5-1 3 |
| [Uimp] rated impulse withstand voltage | 6 kV IEC 60947 |
| Tightening torque | 1,7 N.m screwclamp terminal |
| [Ue] rated operational voltage | <= 690 V AC 25...400 Hz |
| [Ith] conventional free air thermal current | 10 A ≤ 60 °C |
| Irms rated making capacity | 140 A ≤ 690 V AC IEC 60947-5-1 |
| Permissible short-time rating | 100 A 1 s 120 A 500 ms 140 A 100 ms |
| Associated fuse rating | 10 A gG ≤ 690 V IEC 60947-5-1 |
| Inrush power in VA | 70 VA 20 °C 50 Hz |
| Hold-in power consumption in VA | 8 VA 20 °C 50 Hz |
| Mechanical durability | 30000000 cycles |
| Operating rate | 3 cyc/s 20 °C |
| Operating time | 4...12 ms coil de-energisation and NO opening 4...19 ms coil energisation and NC opening 6...16 ms coil de-energisation and NC closing 12...22 ms 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 |
| Height | 77 mm |
| Width | 45 mm |

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|----------------|---------|
| Depth | 86 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 VDE 0106 |
| Protective treatment | TH IEC 60068 |
| Ambient air temperature for operation | -40...70 °C at U _c -5...60 °C at 0.8...1.1 U _c |
| Ambient air temperature for storage | -60...80 °C |
| Operating altitude | 3000 m without |
| Shock resistance | 10 gn control relay open 15 gn control relay closed |
| Vibration resistance | 2 gn control relay open 5...300 Hz 4 gn control relay closed 5...300 Hz |
| RoHS EUR conformity date | 0627 |
| RoHS EUR status | Compliant |