

LR9D02

Overload relay, TeSys LRD, motor protection, 0.4A to 2A, 3 phase, withstand 6kV impulse, 2kV surge, electronic thermal



Main

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|-------------------------------------|--|
| Range | TeSys |
| Product name | TeSys LRD |
| Device short name | LR9D |
| Product or component type | Electronic thermal overload relay |
| Relay application | Motor protection |
| Product compatibility | LC1D25 LC1D09 LC1D32 LC1D38 LC1D18 LC1D12 |
| Thermal overload class | Class 5...30 |
| Thermal protection adjustment range | 0.4...2 A |
| Power consumption in W | 300 mW |
| Mounting support | Under contactor Plate, with specific accessories Rail, with specific accessories |

Complementary

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| [Ue] rated operational voltage | 690 V for power circuit 660 V for signalling circuit |
| [Ui] rated insulation voltage | Power circuit: 1000 V Signalling circuit: 690 V |
| Tripping threshold | 1.25 I _n conforming to IEC 60947-4-1 |
| Control type | Red push-button: stop and manual reset White 2 microswitches: adjustable trip class Red knob: automatic reset White dial: full-load current adjustment |
| Time range | 1.5...4 min - automatic reset time |
| [I _{th}] conventional free air thermal current | 5 A for signalling circuit |
| Associated fuse rating | 5 A gG for signalling circuit 5 A BS for signalling circuit |
| [U _{imp}] rated impulse withstand voltage | 6 kV |
| Phase failure sensitivity | Phase difference > 40% 3 s conforming to IEC 60947-4-1 |
| Electromagnetic compatibility | Surge withstand: 2 kV common mode conforming to IEC 61000-4-5 Resistance to electrostatic discharge: 8 kV conforming to IEC 61000-4-2 Immunity to radiated radio-electrical interference: 10 V/m conforming to IEC 61000-4-3 Immunity to fast transients: 2 kV conforming to IEC 61000-4-4 |
| Connections - terminals | Control circuit: screw clamp terminals 1 cable 2.5 mm ² - cable stiffness: solid or flexible - without cable end Power circuit: screw clamp terminals 1 cable 16 mm ² - cable stiffness: solid or flexible - without cable end |
| Tightening torque | Control circuit: 0.8 N.m on screw clamp terminals Power circuit: 3.1 N.m on screw clamp terminals |
| Height | 72.5 mm |
| Width | 45 mm |
| Depth | 79.9 mm |
| Net weight | 0.18 kg |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

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| Standards | EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 UL 60947-5-1 CSA C22.2 No 60947-4-1 CSA C22.2 No 60947-5-1 GB/T 14048.4 GB/T 14048.5 |
| Product certifications | IECEE CB Scheme[RETURN]UL[RETURN]CSA[RETURN]CCC |
| IP degree of protection | IP20 front face conforming to IEC 60529 |
| Ambient air temperature for operation | -25...70 °C conforming to IEC 60255-8 |
| Ambient air temperature for storage | -55...80 °C |
| Operating altitude | 2000 m without derating |
| Mechanical robustness | Vibrations 10...150 Hz: 6 Gn conforming to IEC 60068-2-6 Shocks 11 ms: 15 gn conforming to IEC 60068-2-7 |
| Dielectric strength | 6 kV 50 Hz conforming to IEC 60255-5 |

Packing Units

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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 5.5 cm |
| Package 1 Width | 7.5 cm |
| Package 1 Length | 9.2 cm |
| Package 1 Weight | 207.0 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 30 |
| Package 2 Height | 15.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 6.544 kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 480 |
| Package 3 Height | 50.0 cm |
| Package 3 Width | 80.0 cm |
| Package 3 Length | 60.0 cm |
| Package 3 Weight | 121.86 kg |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Compliant with Exemptions |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |