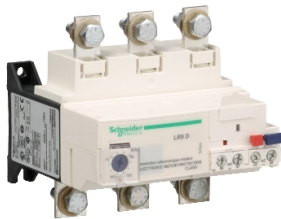


Product datasheet

Specifications



TeSys, Thermal overload relays, TeSys Deca, 60...100A, class 20

LR9D5567

Main

| | |
|-------------------------------------|--|
| Range | TeSys |
| Product Name | TeSys LRD TeSys Deca |
| Product Or Component Type | Electronic thermal overload relay |
| Device Short Name | LR9D |
| Relay Application | Motor protection |
| Product Compatibility | LC1D150 NSX circuit breaker LC1D115 |
| Network Type | AC |
| Thermal Overload Class | Class 20 conforming to IEC 60947-4-1 |
| Signalling Function | Alarm |
| Thermal Protection Adjustment Range | 60...100 A |
| [Ui] Rated Insulation Voltage | Power circuit: 1000 V conforming to IEC 60947-4-1 Power circuit: 600 V conforming to CSA Power circuit: 600 V conforming to UL |

Complementary

| | |
|---|--|
| Network Frequency | 50...60 Hz |
| [Us] Rated Supply Voltage | 24 V DC |
| Supply Voltage Limits | 17...32 V |
| Mounting Support | Under contactor Rail |
| Tripping Threshold | 1.05 +/- 0.06 In alarm conforming to IEC 60947-4-1 1.12 +/- 0.06 In de-energisation conforming to IEC 60947-4-1 |
| Auxiliary Contact Composition | 1 NO + 1 NC |
| [Ith] Conventional Free Air Thermal Current | 5 A for signalling circuit |
| [Ue] Rated Operational Voltage | 690 V AC 0...400 Hz for power circuit conforming to IEC 60947-4-1 |
| Associated Fuse Rating | 4 A gG for signalling circuit 4 A BS for signalling circuit |
| [Uimp] Rated Impulse Withstand Voltage | 6 kV conforming to IEC 60947-1 |
| Phase Failure Sensitivity | Tripping in 4 s +/- 20 % conforming to IEC 60947-4-1 |
| Control Type | Red push-button: stop Blue push-button: reset |
| Temperature Compensation | -20...60 °C |

Disclaimer: 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

| | |
|--------------------------|---|
| Switching Capacity In Ma | 0...150 mA |
| Maximum Voltage Drop | <2.5 V closed state |
| Connections - Terminals | Power circuit: bars Control circuit: screw clamp terminals 1 cable(s) 0.5...1.5 mm² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 0.5...1.5 mm² flexible without cable end Alarm circuit: screw clamp terminals 1 cable(s) 0.5...1.5 mm² flexible without cable end |
| Tightening Torque | Alarm circuit: 0.45 N.m - on screw clamp terminals Power circuit: 18 N.m - on bars M8 Control circuit: 1.2 N.m - on screw clamp terminals |
| Height | 118 mm |
| Width | 115 mm |
| Depth | 125 mm |
| Net Weight | 0.885 kg |

Environment

| | |
|---------------------------------------|--|
| Climatic Withstand | conforming to IACS E10 |
| Ip Degree Of Protection | IP20 conforming to IEC 60529 |
| Ambient Air Temperature For Operation | -20...60 °C without derating conforming to IEC 60947-4-1 |
| Ambient Air Temperature For Storage | -60...70 °C |
| Operating Altitude | <= 2000 m without derating |
| Mechanical Robustness | Vibrations: 2 Gn, 5...300 Hz conforming to IEC 60068-2-6 Shocks: 13 Gn for 11 ms conforming to IEC 60068-2-7 |
| Dielectric Strength | 1.89 kV at 50 Hz conforming to IEC 60947-1 |
| 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 | UL CSA CCC UKCA |

Packing Units

| | |
|------------------------------|---------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 15.0 cm |
| Package 1 Width | 15.5 cm |
| Package 1 Length | 13.0 cm |
| Package 1 Weight | 935.0 g |
| Unit Type Of Package 2 | S04 |
| Number Of Units In Package 2 | 12 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 40.0 cm |

| | |
|------------------|-----------|
| Package 2 Length | 60.0 cm |
| Package 2 Weight | 12.005 kg |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Sustainability



Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency RoHS/REACH

Well-being performance

 Mercury Free

 RoHS Exemption Information [Yes](#)

 Pvc Free

Certifications & Standards

| | |
|--------------------------|---|
| Reach Regulation | REACH Declaration |
| Eu RoHS Directive | Compliant with Exemptions |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | Product Environmental Profile |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile | End of Life Information |