

Product data sheet

Specifications



thermal overload relays, TeSys Deca, 60...100A, class 10

LR9D5367

Product availability: Stock - Normally stocked in distribution facility

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 | LC1D115 LC1D150 NSX circuit breaker |
| network type | AC |
| Thermal overload class | Class 10 IEC 60947-4-1 |
| Signalling function | Alarm |
| Thermal protection adjustment range | 60...100 A |
| [Ui] rated insulation voltage | Power circuit 1000 V IEC 60947-4-1 Power circuit 600 V CSA Power circuit 600 V 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 IEC 60947-4-1 1.12 +/- 0.06 In de-energisation IEC 60947-4-1 |
| Auxiliary contact composition | 1 NO + 1 NC |
| [Ith] conventional free air thermal current | 5 A signalling circuit |
| [Ue] rated operational voltage | 690 V AC 0...400 Hz power circuit 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 IEC 60947-1 |
| Phase failure sensitivity | Tripping in 4 s +/- 20 % IEC 60947-4-1 |
| Control type | Red push-button stop Blue push-button reset |
| Temperature compensation | -4...140 °F (-20...60 °C) |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

| | |
|---------------------------------|--|
| 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 0.0008...0.002 in ² (0.5...1.5 mm ²) flexible without cable end Control circuit screw clamp terminals 2 0.0008...0.002 in ² (0.5...1.5 mm ²) flexible without cable end Alarm circuit screw clamp terminals 1 0.0008...0.002 in ² (0.5...1.5 mm ²) flexible without cable end |
| Tightening torque | Alarm circuit 3.98 lbf.in (0.45 N.m) screw clamp terminals Power circuit 159.3 lbf.in (18 N.m) bars M8 Control circuit 10.6 lbf.in (1.2 N.m) screw clamp terminals |
| Height | 4.6 in (118 mm) |
| Width | 4.5 in (115 mm) |
| Depth | 4.9 in (125 mm) |
| Net Weight | 1.951 lb(US) (0.885 kg) |

Environment

| | |
|--|--|
| Climatic withstand | IACS E10 |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Ambient air temperature for operation | -4...140 °F (-20...60 °C) without derating IEC 60947-4-1 |
| Ambient Air Temperature for Storage | -76...158 °F (-60...70 °C) |
| Operating altitude | <= 6561.68 ft (2000 m) without derating |
| Mechanical robustness | Vibrations 2 Gn, 5...300 Hz IEC 60068-2-6 Shocks 13 Gn for 11 ms IEC 60068-2-7 |
| Dielectric strength | 1.89 kV 50 Hz 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 |

Ordering and shipping details

| | |
|--------------------------|---------------|
| Category | US10I1222347 |
| Discount Schedule | 0I12 |
| GTIN | 3389110113099 |
| Returnability | Yes |
| Country of origin | FR |

Packing Units

| | |
|-------------------------------------|-------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 5.91 in (15.0 cm) |
| Package 1 Width | 6.30 in (16.0 cm) |

| | |
|-------------------------------------|---------------------------|
| Package 1 Length | 5.12 in (13.0 cm) |
| Package 1 Weight | 32.9 oz (934.0 g) |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 11.81 in (30.0 cm) |
| Package 2 Width | 15.75 in (40.0 cm) |
| Package 2 Length | 23.62 in (60.0 cm) |
| Package 2 Weight | 26.407 lb(US) (11.978 kg) |

Contractual warranty

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

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle) 133

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic No

SCIP Number D5a17874-1166-4927-b008-33d15e304a41

China RoHS Regulation [China RoHS declaration](#)

California proposition 65 **WARNING:** This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

PVC free Yes

Use Again

Repack and remanufacture

Circularity Profile [End of Life Information](#)

WEEE  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Take-back No