



Main

| | |
|-------------------------------------|--|
| Range | TeSys TeSys Deca |
| Product name | TeSys LRD TeSys Deca |
| Product or Component Type | Differential thermal overload relay |
| Device short name | LRD |
| Relay application | Motor protection |
| Product Compatibility | LC1D32 LC1D18 LC1D25 LC1D38 |
| Network type | AC DC |
| Thermal overload class | Class 10A IEC 60947-4-1 |
| Thermal protection adjustment range | 12...18 A |
| [Ui] rated insulation voltage | Power circuit 600 V CSA Power circuit 600 V UL Power circuit 690 V IEC 60947-4-1 |

Complementary

| | |
|--|--|
| Network Frequency | 0...400 Hz |
| Mounting support | Plate, with specific accessories Rail, with specific accessories Under contactor |
| Tripping threshold | 1.14 +/- 0.06 I _r IEC 60947-4-1 |
| Auxiliary contact composition | 1 NO + 1 NC |
| [I _{th}] conventional free air thermal current | 5 A signalling circuit |
| Permissible current | 1.5 A 240 V AC-15 signalling circuit 0.1 A 250 V DC-13 signalling circuit |
| [U _e] 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 |
| [U _{imp}] rated impulse withstand voltage | 6 kV |
| Phase failure sensitivity | Tripping current 130 % of I _r on two phase, the last one at 0 |
| Control type | Red push-button stop Blue push-button reset |
| Temperature compensation | -4...140 °F (-20...60 °C) |
| Connections - terminals | Control circuit screw clamp terminals 2 0.002...0.004 in ² (1...2.5 mm ²) flexible without cable end Control circuit screw clamp terminals 2 0.002...0.004 in ² (1...2.5 mm ²) flexible with cable end Control circuit screw clamp terminals 2 0.002...0.004 in ² (1...2.5 mm ²) solid Power circuit screw clamp terminals 1 0.002...0.02 in ² (1.5...10 mm ²) flexible without cable end Power circuit screw clamp terminals 1 0.002...0.006 in ² (1...4 mm ²) flexible with cable end Power circuit screw clamp terminals 1 0.002...0.009 in ² (1...6 mm ²) solid |
| Tightening torque | Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Power circuit 22.1 lbf.in (2.5 N.m) screw clamp terminals |
| Height | 2.6 in (66 mm) |
| Width | 1.8 in (45 mm) |

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.

| | |
|------------|-------------------------|
| Depth | 2.8 in (70 mm) |
| Net Weight | 0.273 lb(US) (0.124 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) |
| Flame retardance | V1 conforming to UL 94 |
| Mechanical robustness | Vibrations6 Gn IEC 60068-2-6 Shocks15 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 EN 50495 |
| Product Certifications | IEC[RETURN]UL[RETURN]CSA[RETURN]CCC[RETURN]EAC[RETURN]BV[RETURN]RINA[RET GL[RETURN]LROS (Lloyds register of shipping)[RETURN]ATEX INERIS[RETURN]UKCA |

Ordering and shipping details

| | |
|-------------------|---------------|
| Category | US10I1222347 |
| Discount Schedule | 0I12 |
| GTIN | 3389110346831 |
| Returnability | Yes |
| Country of origin | FR |

Packing Units

| | |
|------------------------------|-------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.969 in (5.000 cm) |
| Package 1 Width | 3.071 in (7.800 cm) |
| Package 1 Length | 3.465 in (8.800 cm) |
| Package 1 Weight | 5.185 oz (147.000 g) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 24 |
| Package 2 Height | 5.906 in (15.000 cm) |
| Package 2 Width | 11.811 in (30.000 cm) |
| Package 2 Length | 15.748 in (40.000 cm) |
| Package 2 Weight | 8.470 lb(US) (3.842 kg) |

Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| 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 |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |

| | |
|--------------------------|--|
| Environmental Disclosure | Product Environmental Profile |
| 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. |

Contractual warranty

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

Approximate Dimensions

