

Product data sheet

Specifications



Thermal overload relay, TeSys
Deca, 690VAC, 9 to 13A,
1NO+1NC, class 20, EverLink
spring terminal

LRD313L3

⚠ Discontinued

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 | LC1D50A LC1D40A LC1D65A |
| Network Type | DC AC |
| Thermal Overload Class | Class 20 IEC 60947-4-1 |
| Thermal Protection Adjustment Range | 9...13 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 Ir IEC 60947-4-1 |
| Auxiliary Contact Composition | 1 NO + 1 NC |
| [Ith] Conventional Free Air Thermal Current | 5 A signalling circuit |
| Permissible Current | 0.06 A 440 V DC-13 signalling circuit 0.75 A 480 V AC-15 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 |
| Phase Failure Sensitivity | Tripping current 130 % of Ir 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) |

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

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

| | |
|-------------------------|--|
| Connections - Terminals | Power circuit EverLink BTR screw connectors 1 0.00...0.05 in² (1...35 mm²) flexible without cable end Power circuit EverLink BTR screw connectors 1 0.00...0.05 in² (1...35 mm²) flexible with cable end Power circuit EverLink BTR screw connectors 1 0.00...0.05 in² (1...35 mm²) solid without cable end Control circuit spring terminals 1 0.00...0.00 in² (1...2.5 mm²) solid without cable end Control circuit spring terminals 1 0.00...0.00 in² (1...2.5 mm²) flexible without cable end |
| Tightening Torque | Power circuit 44.25 lbf.in (5 N.m) EverLink BTR screw connectors |
| Height | 2.76 in (70 mm) |
| Width | 2.17 in (55 mm) |
| Depth | 4.84 in (123 mm) |
| Net Weight | 0.83 lb(US) (0.375 kg) |

Environment

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|---------------------------------------|--|
| 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 | Shocks15 Gn for 11 ms IEC 60068-2-7 Vibrations4 gn IEC 60068-2-6 |
| 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 EN 50495 |
| Product Certifications | IEC UL CSA CCC EAC DNV-GL RMRS EU-RO MR LROS (Lloyds register of shipping) ATEX INERIS |

Ordering and shipping details

| | |
|-------------------|--------------------------------------|
| Category | 22347-CONTACTOR,D-LINE,OVERLOADS-NEW |
| Discount Schedule | I12 |
| Gtin | 3389119215664 |
| Returnability | No |
| Country Of Origin | FR |

Packing Units

| | |
|------------------------------|-----|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |

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 >](#)

Well-being performance

| | | |
|---|--|--|
|  | Reach Free Of Svhc | |
|  | Mercury Free | |
|  | Rohs Exemption Information | Yes |
| Eu Rohs Directive | Compliant | EU RoHS Declaration |
| China Rohs Regulation | China RoHS declaration | Product out of China RoHS scope. Substance declaration for your information. |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. | |