

# Product data sheet

Specifications



## TeSys Deca thermal overload relays - 7...10 A - class 20

LRD14L

Product availability: Stock - Normally stocked in distribution facility

Price\*: 62.00 USD

### Main

|                                     |  |
|-------------------------------------|--|
| Range                               | TeSys<br>TeSys Deca  |
| Product Name                        | TeSys LRD<br>TeSys Deca  |
| Product Or Component Type           | Differential thermal overload relay  |
| Device Short Name                   | LRD  |
| Relay Application                   | Motor protection   |
| Product Compatibility               | LC1D25<br>LC1D12<br>LC1D32<br>LC1D09<br>LC1D18<br>LC1D38                               |
| Network Type                        | AC<br>DC   |
| Thermal Overload Class              | Class 20 IEC 60947-4-1   |
| Thermal Protection Adjustment Range | 7...10 A   |
| [Ui] Rated Insulation Voltage       | Power circuit 600 V CSA<br>Power circuit 600 V UL<br>Power circuit 690 V IEC 60947-4-1 |

### Complementary

|   |  |
|---|--|
| Network Frequency                           | 0...400 Hz   |
| Mounting Support                            | Plate, with specific accessories<br>Rail, with specific accessories<br>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                         | 3 A 120 V AC-15 signalling circuit<br>0.22 A 125 V DC-13 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<br>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<br>Blue push-button reset   |

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

|                                 |   |
|---------------------------------|---|
| <b>Temperature Compensation</b> | -4...140 °F (-20...60 °C)   |
| <b>Connections - Terminals</b>  | Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) flexible without cable end<br>Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) flexible with cable end<br>Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) solid without cable end<br>Power circuit screw clamp terminals 1 0.00...0.02 in <sup>2</sup> (1.5...10 mm <sup>2</sup> ) flexible without cable end<br>Power circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) flexible with cable end<br>Power circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...6 mm <sup>2</sup> ) solid without cable end |
| <b>Tightening Torque</b>        | Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals<br>Power circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals  |
| <b>Height</b>                   | 2.60 in (66 mm)   |
| <b>Width</b>                    | 1.77 in (45 mm)   |
| <b>Depth</b>                    | 2.99 in (76 mm)   |
| <b>Net Weight</b>               | 0.32 lb(US) (0.144 kg)  |

## Environment

|  |  |
|--|--|
| <b>Climatic Withstand</b>                    | IACS E10   |
| <b>Ip Degree Of Protection</b>               | IP20 conforming to IEC 60529   |
| <b>Ambient Air Temperature For Operation</b> | -4...140 °F (-20...60 °C) without derating IEC 60947-4-1   |
| <b>Ambient Air Temperature For Storage</b>   | -76...158 °F (-60...70 °C)   |
| <b>Mechanical Robustness</b>                 | Shocks 15 Gn for 11 ms IEC 60068-2-7<br>Vibrations 3 GN IEC 60068-2-6  |
| <b>Dielectric Strength</b>                   | 1.89 kV 50 Hz IEC 60947-1  |
| <b>Standards</b>                             | EN/IEC 60947-4-1<br>EN/IEC 60947-5-1<br>UL 60947-4-1<br>UL 60947-5-1<br>CSA C22.2 No 60947-4-1<br>CSA C22.2 No 60947-5-1<br>EN 50495 |
| <b>Product Certifications</b>                | IEC<br>UL<br>CSA<br>EAC<br>ABS<br>ATEX INERIS<br>UKCA  |

## Ordering and shipping details

|                          |               |
|--------------------------|---------------|
| <b>Category</b>          | US10I1222347  |
| <b>Discount Schedule</b> | 0I12          |
| <b>Gtin</b>              | 3606480609596 |
| <b>Returnability</b>     | Yes           |
| <b>Country Of Origin</b> | TH            |

## Packing Units

|                                     |                  |
|-------------------------------------|------------------|
| <b>Unit Type Of Package 1</b>       | PCE              |
| <b>Number Of Units In Package 1</b> | 1                |
| <b>Package 1 Height</b>             | 3.27 in (8.3 cm) |

|                                     |                           |
|-------------------------------------|---------------------------|
| <b>Package 1 Width</b>              | 2.83 in (7.2 cm)          |
| <b>Package 1 Length</b>             | 1.77 in (4.5 cm)          |
| <b>Package 1 Weight</b>             | 6.21 oz (176.0 g)         |
| <b>Unit Type Of Package 2</b>       | S02                       |
| <b>Number Of Units In Package 2</b> | 24                        |
| <b>Package 2 Height</b>             | 5.91 in (15.0 cm)         |
| <b>Package 2 Width</b>              | 11.81 in (30.0 cm)        |
| <b>Package 2 Length</b>             | 15.75 in (40.0 cm)        |
| <b>Package 2 Weight</b>             | 10.47 lb(US) (4.747 kg)   |
| <b>Unit Type Of Package 3</b>       | P12                       |
| <b>Number Of Units In Package 3</b> | 768                       |
| <b>Package 3 Height</b>             | 31.50 in (80.0 cm)        |
| <b>Package 3 Width</b>              | 29.53 in (75.0 cm)        |
| <b>Package 3 Length</b>             | 47.24 in (120.0 cm)       |
| <b>Package 3 Weight</b>             | 245.51 lb(US) (111.36 kg) |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| <b>Warranty</b> | 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-CO<sub>2</sub> 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

## 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](#)

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](http://www.P65Warnings.ca.gov)