

# Product data sheet

Specifications



## TeSys Deca, thermal overload relay, 16 to 24 A, class 10A

LRD22

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>LC1D32<br>LC1D38   |
| network type                        | DC<br>AC   |
| Thermal overload class              | Class 10A IEC 60947-4-1  |
| Thermal protection adjustment range | 16...24 A  |
| [U] 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 I <sub>r</sub> IEC 60947-4-1   |
| Auxiliary contact composition                            | 1 NO + 1 NC  |
| [I <sub>th</sub> ] conventional free air thermal current | 5 A signalling circuit   |
| Permissible current                                      | 1.5 A 240 V AC-15 signalling circuit<br>0.1 A 250 V DC-13 signalling circuit           |
| [U <sub>e</sub> ] 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                         |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 6 kV   |
| Phase failure sensitivity                                | Tripping current 130 % of I <sub>r</sub> on two phase, the last one at 0               |
| Control type   | Red push-button stop<br>Blue push-button reset   |
| Temperature compensation                                 | -4.0000000000...140.0000000000 °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.

|                                |  |
|--------------------------------|--|
| <b>Connections - terminals</b> | Control circuit screw clamp terminals 2 0.002...0.004 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) flexible without cable end<br>Control circuit screw clamp terminals 2 0.002...0.004 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) flexible with cable end<br>Control circuit screw clamp terminals 2 0.002...0.004 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) solid<br>Power circuit screw clamp terminals 1 0.002...0.02 in <sup>2</sup> (1.5...10 mm <sup>2</sup> ) flexible without cable end<br>Power circuit screw clamp terminals 1 0.002...0.009 in <sup>2</sup> (1...6 mm <sup>2</sup> ) flexible with cable end<br>Power circuit screw clamp terminals 1 0.002...0.02 in <sup>2</sup> (1.5...10 mm <sup>2</sup> ) solid |
| <b>Tightening torque</b>       | Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals<br>Power circuit 22.1 lbf.in (2.5 N.m) screw clamp terminals  |
| <b>Height</b>                  | 2.6 in (66 mm)   |
| <b>Width</b>                   | 1.8 in (45 mm)   |
| <b>Depth</b>                   | 2.8 in (70 mm)   |
| <b>Net Weight</b>              | 0.273 lb(US) (0.124 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> | -4.0000000000...140.0000000000 °F (-20...60 °C) without derating IEC 60947-4-1   |
| <b>Ambient Air Temperature for Storage</b>   | -76.0000000000...158.0000000000 °F (-60...70 °C)   |
| <b>Flame retardance</b>                      | V1 conforming to UL 94   |
| <b>Mechanical robustness</b>                 | Vibrations 6 Gn IEC 60068-2-6<br>Shocks 15 Gn for 11 ms IEC 60068-2-7  |
| <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>GB/T 14048.4<br>GB/T 14048.5<br>EN 50495 |
| <b>Product Certifications</b>                | IEC<br>UL<br>CSA<br>CCC<br>EAC<br>BV<br>RINA<br>DNV-GL<br>LROS (Lloyds register of shipping)<br>ATEX INERIS<br>UKCA  |

## Ordering and shipping details

|                          |               |
|--------------------------|---------------|
| <b>Category</b>          | US10I1222347  |
| <b>Discount Schedule</b> | 0I12          |
| <b>GTIN</b>              | 3389110346848 |
| <b>Returnability</b>     | Yes           |
| <b>Country of origin</b> | US            |

## Packing Units

|                                     |                            |
|-------------------------------------|----------------------------|
| <b>Unit Type of Package 1</b>       | PCE                        |
| <b>Number of Units in Package 1</b> | 1                          |
| <b>Package 1 Height</b>             | 1.969 in (5.000 cm)        |
| <b>Package 1 Width</b>              | 2.992 in (7.600 cm)        |
| <b>Package 1 Length</b>             | 3.465 in (8.800 cm)        |
| <b>Package 1 Weight</b>             | 5.044 oz (143.000 g)       |
| <b>Unit Type of Package 2</b>       | S02                        |
| <b>Number of Units in Package 2</b> | 24                         |
| <b>Package 2 Height</b>             | 5.906 in (15.000 cm)       |
| <b>Package 2 Width</b>              | 11.811 in (30.000 cm)      |
| <b>Package 2 Length</b>             | 15.748 in (40.000 cm)      |
| <b>Package 2 Weight</b>             | 8.225 lb(US) (3.731 kg)    |
| <b>Unit Type of Package 3</b>       | P06                        |
| <b>Number of Units in Package 3</b> | 384                        |
| <b>Package 3 Height</b>             | 31.496 in (80.000 cm)      |
| <b>Package 3 Width</b>              | 31.496 in (80.000 cm)      |
| <b>Package 3 Length</b>             | 23.622 in (60.000 cm)      |
| <b>Package 3 Weight</b>             | 165.179 lb(US) (74.924 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

Toxic Heavy Metal Free

Mercury Free

Rohs Exemption Information [Yes](#)

## Certifications & Standards

**Eu Rohs Directive** [Compliant](#)  
[EU RoHS Declaration](#)

**China Rohs Regulation** [China RoHS declaration](#)  
Pro-active China RoHS declaration (out of China RoHS legal scope)

**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)

Dimensions Drawings

Approximate Dimensions

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