

# 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

|  |  |
|--|--|
| <b>Range</b>                               | TeSys<br>TeSys Deca  |
| <b>Product name</b>                        | TeSys LRD<br>TeSys Deca  |
| <b>Product or Component Type</b>           | Differential thermal overload relay  |
| <b>Device short name</b>                   | LRD  |
| <b>Relay application</b>                   | Motor protection   |
| <b>Product Compatibility</b>               | LC1D25<br>LC1D12<br>LC1D32<br>LC1D09<br>LC1D18<br>LC1D38                               |
| <b>Network type</b>                        | AC<br>DC   |
| <b>Thermal overload class</b>              | Class 20 IEC 60947-4-1   |
| <b>Thermal protection adjustment range</b> | 7...10 A   |
| <b>[Ui] rated insulation voltage</b>       | Power circuit 600 V CSA<br>Power circuit 600 V UL<br>Power circuit 690 V IEC 60947-4-1 |

### Complementary

|  |  |
|--|--|
| <b>Network Frequency</b>                           | 0...400 Hz   |
| <b>Mounting support</b>                            | Plate, with specific accessories<br>Rail, with specific accessories<br>Under contactor |
| <b>Tripping threshold</b>                          | 1.14 +/- 0.06 Ir IEC 60947-4-1   |
| <b>Auxiliary contact composition</b>               | 1 NO + 1 NC  |
| <b>[Ith] conventional free air thermal current</b> | 5 A signalling circuit   |
| <b>Permissible current</b>                         | 3 A 120 V AC-15 signalling circuit<br>0.22 A 125 V DC-13 signalling circuit            |
| <b>[Ue] rated operational voltage</b>              | 690 V AC 0...400 Hz power circuit IEC 60947-4-1  |
| <b>Associated fuse rating</b>                      | 4 A gG signalling circuit<br>4 A BS signalling circuit                                 |

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

|   |   |
|---|---|
| <b>[Uimp] rated impulse withstand voltage</b> | 6 kV  |
| <b>Phase failure sensitivity</b>              | Tripping current 130 % of Ir on two phase, the last one at 0  |
| <b>Control type</b>                           | Red push-button stop<br>Blue push-button reset  |
| <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>                 | Shocks15 Gn for 11 ms IEC 60068-2-7<br>Vibrations3 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>          | 22347-CONTACTOR,D-LINE,OVERLOADS-NEW |
| <b>Discount Schedule</b> | I12                                  |
| <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) |

|                              |                           |
|------------------------------|---------------------------|
| Package 1 Length             | 1.77 in (4.5 cm)          |
| Package 1 Weight             | 6.21 oz (176.0 g)         |
| Unit Type of Package 2       | S02                       |
| Number of Units in Package 2 | 24                        |
| Package 2 Height             | 5.91 in (15.0 cm)         |
| Package 2 Width              | 11.81 in (30.0 cm)        |
| Package 2 Length             | 15.75 in (40.0 cm)        |
| Package 2 Weight             | 10.47 lb(US) (4.747 kg)   |
| Unit Type of Package 3       | P12                       |
| Number of Units in Package 3 | 768                       |
| Package 3 Height             | 31.50 in (80.0 cm)        |
| Package 3 Width              | 29.53 in (75.0 cm)        |
| Package 3 Length             | 47.24 in (120.0 cm)       |
| Package 3 Weight             | 245.51 lb(US) (111.36 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| Mercury free               | Yes   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information.  |
| RoHS exemption information | <a href="#">Yes</a>   |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile        | <a href="#">End of Life Information</a>   |
| 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 |
|----------|-----------|

## Recommended replacement(s)