



Product availability: Stock - Normally stocked in distribution facility



### Main

|                                     |  |
|-------------------------------------|--|
| Range                               | TeSys  |
| Product name                        | TeSys LRD  |
| Product or component type           | Differential thermal overload relay  |
| Device short name                   | LRD  |
| Relay application                   | Motor protection   |
| Product compatibility               | LC1D12<br>LC1D09<br>LC1D25<br>LC1D38<br>LC1D32<br>LC1D18                               |
| Network type                        | AC<br>DC   |
| Thermal protection adjustment range | 2.5...4 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  |
| [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   |
| [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  |
| Temperature compensation                    | -4...140 °F (-20...60 °C)   |
| Connections - terminals                     | 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 |
| Tightening torque                           | 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  |
| Width                                       | 1.77 in (45 mm)   |
| Depth                                       | 2.76 in (70 mm)   |
| Net weight                                  | 0.27 lb(US) (0.124 kg)  |

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.

## Environment

|                                       |   |
|---------------------------------------|---|
| Protective treatment                  | TH IEC 60068  |
| IP degree of protection               | IP20 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 UL 94  |
| Mechanical robustness                 | Vibrations6 Gn IEC 60068-2-6<br>Shocks15 Gn for 11 ms IEC 60068-2-7   |
| Dielectric strength                   | 6 kV 50 Hz IEC 60255-5  |
| Standards                             | UL 508<br>EN 60947-5-1<br>EN 60947-4-1<br>IEC 60947-4-1<br>ATEX D 94/9/CE<br>IEC 60947-5-1<br>CSA C22.2 No 14 |
| Product certifications                | BV<br>RINA<br>LROS (Lloyds register of shipping)<br>CCC<br>CSA<br>ATEX INERIS<br>GL<br>UL<br>GOST<br>DNV      |

## Ordering and shipping details

|                     |  |
|---------------------|--|
| Category            | 22347 - CONTACTOR,D-LINE,OVERLOADS-NEW |
| Discount Schedule   | I12                                    |
| GTIN                | 00785901206750                         |
| Package weight(Lbs) | 0.14 kg (0.31 lb(US))                  |
| Returnability       | Yes                                    |
| Country of origin   | FR                                     |

## 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 Carcinogen harm. 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 <a href="#">EU RoHS Declaration</a>   |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>  |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile        | <a href="#">End Of Life Information</a>   |

## Contractual warranty

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