

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                   | LR2D   |
| Relay application                   | Motor protection   |
| Product compatibility               | LC1D80<br>LC1D95   |
| Network type                        | DC<br>AC   |
| Thermal overload class              | Class 20 IEC 60947-4-1   |
| Thermal protection adjustment range | 48...65 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 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                                      | 0.72 A 500 V AC-15 signalling circuit<br>0.06 A 440 V DC-13 signalling circuit         |
| [U <sub>e</sub> ] rated operational voltage              | 1000 V AC 0...400 Hz power circuit IEC 60947-4-1                                       |

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

|  |   |
|--|---|
| Associated fuse rating                 | 4 A gG signalling circuit<br>4 A BS 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  |
| Temperature compensation               | -4...140 °F (-20...60 °C)   |
| Connections - terminals                | Power circuit screw clamp terminals 1 0.01...0.05 in <sup>2</sup> (4...35 mm <sup>2</sup> ) flexible without cable end<br>Power circuit screw clamp terminals 1 0.01...0.05 in <sup>2</sup> (4...35 mm <sup>2</sup> ) flexible with cable end<br>Power circuit screw clamp terminals 1 0.01...0.05 in <sup>2</sup> (4...35 mm <sup>2</sup> ) solid 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 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 |
| Tightening torque                      | Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals<br>Power circuit 79.66 lbf.in (9 N.m) screw clamp terminals  |
| Height                                 | 3.94 in (100 mm)  |
| Width                                  | 2.95 in (75 mm)   |
| Depth                                  | 4.76 in (121 mm)  |
| Net Weight                             | 1.18 lb(US) (0.535 kg)  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Protective treatment                  | TH IEC 60068   |
| 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                 | Vibrations 6 Gn IEC 60068-2-6<br>Shocks 15 Gn for 11 ms IEC 60068-2-7  |
| Dielectric strength                   | 2.2 kV 50 Hz IEC 60947-1   |
| Standards                             | 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 |
| Product certifications                | IEC<br>UL<br>CSA<br>EAC<br>BV<br>DNV-GL<br>LROS (Lloyds register of shipping)  |

## Ordering and shipping details

|                       |  |
|-----------------------|--|
| Category              | 22347 - CONTACTOR,D-LINE,OVERLOADS-NEW |
| Discount Schedule     | I12                                    |
| GTIN                  | 00785901258506                         |
| Nbr. of units in pkg. | 1                                      |
| Package weight(Lbs)   | 1.16 lb(US) (0.53 kg)                  |
| Returnability         | Yes                                    |
| Country of origin     | FR                                     |

## Packing Units

|                        |                   |
|------------------------|-------------------|
| Unit Type of Package 1 | PCE               |
| Package 1 Height       | 3.07 in (7.8 cm)  |
| Package 1 width        | 3.35 in (8.5 cm)  |
| Package 1 Length       | 4.65 in (11.8 cm) |
| Unit Type of Package 2 | S02               |

|                              |                         |
|------------------------------|-------------------------|
| Number of Units in Package 2 | 12                      |
| Package 2 Weight             | 14.62 lb(US) (6.632 kg) |
| Package 2 Height             | 5.91 in (15 cm)         |
| Package 2 width              | 11.81 in (30 cm)        |
| Package 2 Length             | 15.75 in (40 cm)        |

### 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> |
| RECh Regulation            | <a href="#">RECh Declaration</a>  |
| RECh free of SVHC          | Yes   |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| Toxic heavy metal free     | Yes   |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope)   |
| 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 |
|----------|-----------|