

Product availability : Stock - Normally stocked in distribution facility



## Main

|                                     |  |
|-------------------------------------|--|
| Range                               | TeSys  |
| Product name                        | TeSys LRD  |
| Product or component type           | Non differential thermal overload relay  |
| Device short name                   | LR3D   |
| Relay application                   | Motor protection   |
| Product compatibility               | LC1D18<br>LC1D12<br>LC1D25<br>LC1D32<br>LC1D38   |
| Network type                        | DC<br>AC   |
| Thermal overload class              | Class 20 IEC 60947-4-1   |
| Thermal protection adjustment range | 9...13 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                                      | 3 A 120 V AC-15 signalling circuit   |

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

## 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 signalling circuit<br>4 A BS signalling circuit  |
| [Uimp] 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...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  |
| Height                                 | 2.60 in (66 mm)   |
| Width                                  | 1.77 in (45 mm)   |
| Depth                                  | 2.99 in (76 mm)   |
| Net Weight                             | 0.32 lb(US) (0.144 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)   |
| Mechanical robustness                 | Shocks 15 Gn for 11 ms IEC 60068-2-7<br>Vibrations 3 Gn IEC 60068-2-6  |
| Dielectric strength                   | 1.89 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<br>EN 50495 |
| Product certifications                | IEC<br>UL<br>CSA<br>EAC<br>ABS<br>ATEX INERIS  |

## Ordering and shipping details

|                       |  |
|-----------------------|--|
| Category              | 22347 - CONTACTOR,D-LINE,OVERLOADS-NEW |
| Discount Schedule     | I12                                    |
| GTIN                  | 00785901657873                         |
| Nbr. of units in pkg. | 1                                      |
| Package weight(Lbs)   | 0.4 lb(US) (0.18 kg)                   |
| Returnability         | Yes                                    |
| Country of origin     | TH                                     |

## Packing Units

|                  |                     |
|------------------|---------------------|
| Package 1 Height | 3.27 in (83.000 mm) |
| Package 1 width  | 2.83 in (72.000 mm) |
| Package 1 Length | 1.77 in (45.000 mm) |

## 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>   |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Compliant<br><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><br>Product out of China RoHS scope. Substance declaration for your information.  |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</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 |
|----------|-----------|