

Product data sheet

Specifications



TeSys Deca thermal overload relays - 9...13 A - class 20

LRD16L

Product availability: Stock - Normally stocked in distribution facility

Price*: 62.00 USD

Main

| | |
|-------------------------------------|--|
| Range | TeSys TeSys Deca |
| Product Name | TeSys LRD TeSys Deca |
| Product Or Component Type | Differential thermal overload relay |
| Device Short Name | LRD |
| Relay Application | Motor protection |
| Product Compatibility | LC1D25 LC1D38 LC1D12 LC1D32 LC1D18 |
| Network Type | DC AC |
| Thermal Overload Class | Class 20 IEC 60947-4-1 |
| Thermal Protection Adjustment Range | 9...13 A |
| [U] Rated Insulation Voltage | Power circuit 600 V CSA Power circuit 600 V UL Power circuit 690 V IEC 60947-4-1 |

Complementary

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|--|--|
| Network Frequency | 0...400 Hz |
| Mounting Support | Plate, with specific accessories Rail, with specific accessories Under contactor |
| Tripping Threshold | 1.14 +/- 0.06 I _r IEC 60947-4-1 |
| Auxiliary Contact Composition | 1 NO + 1 NC |
| [I _{th}] Conventional Free Air Thermal Current | 5 A signalling circuit |
| Permissible Current | 3 A 120 V AC-15 signalling circuit 0.22 A 125 V DC-13 signalling circuit |
| [U _e] Rated Operational Voltage | 690 V AC 0...400 Hz power circuit IEC 60947-4-1 |
| Associated Fuse Rating | 4 A gG for signalling circuit 4 A BS for signalling circuit |
| [U _{imp}] Rated Impulse Withstand Voltage | 6 kV |
| Phase Failure Sensitivity | Tripping current 130 % of I _r on two phase, the last one at 0 |
| Control Type | Red push-button stop Blue push-button reset |

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

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|---------------------------------|---|
| Temperature Compensation | -4...140 °F (-20...60 °C) |
| Connections - Terminals | Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) flexible without cable end Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) solid without cable end Power circuit screw clamp terminals 1 0.00...0.02 in ² (1.5...10 mm ²) flexible without cable end Power circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²) flexible with cable end Power circuit screw clamp terminals 1 0.00...0.01 in ² (1...6 mm ²) solid without cable end |
| Tightening Torque | Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals 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

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| Climatic Withstand | IACS E10 |
| 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 Vibrations 3 GN IEC 60068-2-6 |
| Dielectric Strength | 1.89 kV 50 Hz IEC 60947-1 |
| Standards | EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 UL 60947-5-1 CSA C22.2 No 60947-4-1 CSA C22.2 No 60947-5-1 EN 50495 |
| Product Certifications | IEC UL CSA EAC ABS ATEX INERIS UKCA |

Ordering and shipping details

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|--------------------------|---------------|
| Category | US10I1222347 |
| Discount Schedule | 0I12 |
| Gtin | 3606480609602 |
| Returnability | Yes |
| Country Of Origin | US |

Packing Units

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|-------------------------------------|------------------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 3.27 in (8.3 cm) |

| | |
|-------------------------------------|---------------------------|
| Package 1 Width | 2.83 in (7.2 cm) |
| Package 1 Length | 1.77 in (4.5 cm) |
| Package 1 Weight | 6.35 oz (180.0 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 | 10.53 lb(US) (4.775 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) |

Contractual warranty

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| Warranty | 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-CO₂ 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

 Mercury Free

 Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant with Exemptions

China Rohs Regulation [China RoHS declaration](#)
Product out of China RoHS scope. Substance declaration for your information.

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