



Main

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| 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 | LC1D18 LC1D25 LC1D32 LC1D12 LC1D09 LC1D38 |
| Network type | DC AC |
| Thermal overload class | Class 10A IEC 60947-4-1 |
| Thermal protection adjustment range | 5.5...8 A |
| [Ui] 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 | 1.5 A 240 V AC-15 signalling circuit 0.1 A 250 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 signalling circuit 4 A BS 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 |
| 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 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 |
| 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) |

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| Width | 1.77 in (45 mm) |
| Depth | 2.76 in (70 mm) |
| Net Weight | 0.27 lb(US) (0.124 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) |
| Flame retardance | V1 conforming to UL 94 |
| Mechanical robustness | Vibrations6 Gn IEC 60068-2-6 Shocks15 Gn for 11 ms IEC 60068-2-7 |
| 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 GB/T 14048.4 GB/T 14048.5 EN 50495 |
| Product Certifications | IEC UL CSA CCC EAC BV RINA DNV-GL LROS (Lloyds register of shipping) ATEX INERIS UKCA |

Ordering and shipping details

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| Category | 22347-CONTACTOR,D-LINE,OVERLOADS-NEW |
| Discount Schedule | I12 |
| GTIN | 3389110346800 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 5.15 oz (146.0 g) |
| Returnability | Yes |
| Country of origin | FR |

Packing Units

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|------------------------------|--------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 1.97 in (5 cm) |
| Package 1 width | 3.03 in (7.7 cm) |
| Package 1 Length | 3.54 in (9 cm) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 24 |
| Package 2 Weight | 8.40 lb(US) (3.81 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) |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 384 |
| Package 3 Weight | 153.31 lb(US) (69.54 kg) |
| Package 3 Height | 31.50 in (80 cm) |
| Package 3 width | 31.50 in (80 cm) |
| Package 3 Length | 23.62 in (60 cm) |

Offer Sustainability

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| 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 www.P65Warnings.ca.gov |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Contractual warranty

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| Warranty | 18 months |
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Approximate Dimensions

