



Main

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| Range | TeSys |
| Product name | TeSys LRD TeSys Deca |
| Product or Component Type | Electronic thermal overload relay |
| Device short name | LR9D |
| Relay application | Motor protection |
| Product Compatibility | LC1D150 NSX circuit breaker LC1D115 |
| Network type | AC |
| Thermal overload class | Class 20 IEC 60947-4-1 |
| Signalling function | Alarm |
| Thermal protection adjustment range | 60...100 A |
| [Ui] rated insulation voltage | Power circuit 1000 V IEC 60947-4-1 Power circuit 600 V CSA Power circuit 600 V UL |

Complementary

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| Network Frequency | 50-60 Hz |
| [Us] rated supply voltage | 24 V DC |
| Supply voltage limits | 17...32 V |
| Mounting support | Under contactor Rail |
| Tripping threshold | 1.05 +/- 0.06 In alarm IEC 60947-4-1 1.12 +/- 0.06 In de-energisation IEC 60947-4-1 |
| Auxiliary contact composition | 1 NO + 1 NC |
| [Ith] conventional free air thermal current | 5 A 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 4 A BS signalling circuit |
| [Uimp] rated impulse withstand voltage | 6 kV IEC 60947-1 |
| Phase failure sensitivity | Tripping in 4 s +/- 20 % IEC 60947-4-1 |
| Control type | Red push-button stop Blue push-button reset |
| Temperature compensation | -4...140 °F (-20...60 °C) |
| Switching capacity in mA | 0...150 mA |
| Maximum voltage drop | <2.5 V closed state |
| Connections - terminals | Power circuit bars Control circuit screw clamp terminals 1 0.00...0.00 in ² (0.5...1.5 mm ²) flexible without cable end Control circuit screw clamp terminals 2 0.00...0.00 in ² (0.5...1.5 mm ²) flexible without cable end Alarm circuit screw clamp terminals 1 0.00...0.00 in ² (0.5...1.5 mm ²) flexible without cable end |
| Tightening torque | Alarm circuit 3.98 lbf.in (0.45 N.m) screw clamp terminals Power circuit 159.31 lbf.in (18 N.m) bars M8 Control circuit 10.62 lbf.in (1.2 N.m) screw clamp terminals |
| Height | 4.65 in (118 mm) |
| Width | 4.53 in (115 mm) |

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| Depth | 4.92 in (125 mm) |
| Net Weight | 1.95 lb(US) (0.885 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) |
| Operating altitude | <= 6561.68 ft (2000 m) without derating |
| Mechanical robustness | Vibrations2 Gn, 5...300 Hz IEC 60068-2-6 Shocks13 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 |
| Product Certifications | UL CSA CCC UKCA |

Ordering and shipping details

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| Category | 22347-CONTACTOR,D-LINE,OVERLOADS-NEW |
| Discount Schedule | I12 |
| GTIN | 3389110113105 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 32.98 oz (935.0 g) |
| Returnability | Yes |
| Country of origin | FR |

Packing Units

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|------------------------------|--------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 5.91 in (15 cm) |
| Package 1 width | 6.10 in (15.5 cm) |
| Package 1 Length | 5.12 in (13 cm) |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 12 |
| Package 2 Weight | 26.47 lb(US) (12.005 kg) |
| Package 2 Height | 11.81 in (30 cm) |
| Package 2 width | 15.75 in (40 cm) |
| Package 2 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 |

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| 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. |
| PVC free | Yes |

Contractual warranty

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| Warranty | 18 months |
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