



Main

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| Range | TeSys TeSys Deca |
| Product name | TeSys LRD TeSys Deca |
| Product or Component Type | Non differential thermal overload relay |
| Device short name | LR3D |
| Relay application | Motor protection |
| Product Compatibility | LC1D80A |
| Network type | AC DC |
| Thermal overload class | Class 10A IEC 60947-4-1 |
| Thermal protection adjustment range | 62...80 A |
| [Ui] rated insulation voltage | Power circuit 690 V IEC 60947-4-1 Power circuit 600 V UL 60947-4-1 Power circuit 600 V CSA C22.2 No 14 |

Complementary

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| Network Frequency | 0...400 Hz |
| Mounting support | Plate, with terminal block LAD96560 on top Rail, with terminal block LAD96560 on top Direct mounting 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 | 0.95 A 380 V AC-15 signalling circuit 0.06 A 440 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 |
| Power dissipation per pole | 4.8 W |
| 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 with cable end Power circuit EverLink BTR screw connectors 1 0.00...0.05 in ² (1...35 mm ²) flexible with cable end Power circuit EverLink BTR screw connectors 1 0.00...0.05 in ² (1...35 mm ²) solid Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) solid Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) flexible Power circuit EverLink BTR screw connectors 1 0.00...0.05 in ² (1...35 mm ²) flexible Power circuit direct terminal link top |
| Tightening torque | Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Power circuit 44.25 lbf.in (5 N.m) EverLink BTR screw connectors 0.04 in ² (25 mm ²) Power circuit 70.81 lbf.in (8 N.m) EverLink BTR screw connectors 0.05 in ² (35 mm ²) |
| Height | 2.76 in (70 mm) |
| Width | 2.17 in (55 mm) |

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| Depth | 4.84 in (123 mm) |
| Net weight | 0.83 lb(US) (0.375 kg) |
| Color | Gray SE GREY 6) |

Environment

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| 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 | Shocks15 Gn for 11 ms IEC 60068-2-7 Vibrations3 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 GB/T 14048.4 GB/T 14048.5 |
| Product certifications | IEC UL CSA CCC EAC DNV-GL RMRS EU-RO MR UKCA |

Ordering and shipping details

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|-----------------------|--------------------------------------|
| Category | 22347-CONTACTOR,D-LINE,OVERLOADS-NEW |
| Discount Schedule | I12 |
| GTIN | 3606481312013 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 14.99 oz (425 g) |
| Returnability | No |

Packing Units

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|------------------------|------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 2.56 in (6.5 cm) |
| Package 1 width | 4.33 in (11 cm) |
| Package 1 Length | 5.51 in (14 cm) |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| 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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