



Main

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| 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 | LC1D12 LC1D09 LC1D32 LC1D18 LC1D25 LC1D38 |
| Network type | DC AC |
| Thermal protection adjustment range | 0.4...0.63 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 |
| [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 |
| [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) |
| Connection pitch | 0.57 in (14.5 mm) |
| 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 lugs-ring terminals |
| Tightening torque | Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Power circuit 20.36 lbf.in (2.3 N.m) lugs-ring terminals M4 |
| Maximum Width | 1.77 in (45 mm) |
| Maximum Depth | 2.76 in (70 mm) |
| Net Weight | 0.27 lb(US) (0.124 kg) |

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Environment

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| Protective treatment | TH IEC 60068 |
| IP degree of protection | IP20 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 UL 94 |
| Mechanical robustness | Vibrations6 Gn IEC 60068-2-6 Shocks15 Gn for 11 ms IEC 60068-2-7 |
| Dielectric strength | 6 kV 50 Hz IEC 60255-5 |
| Standards | EN 60947-5-1 IEC 60947-4-1 CSA C22.2 No 14 UL 508 IEC 60947-5-1 EN 60947-4-1 ATEX D 94/9/CE |
| Product certifications | GOST BV ATEX INERIS CCC DNV GL LROS (Lloyds register of shipping) RINA CSA UL |

Ordering and shipping details

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| Category | 22347 - CONTACTOR,D-LINE,OVERLOADS-NEW |
| Discount Schedule | I12 |
| GTIN | 03389110378078 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.31 lb(US) (0.14 kg) |
| Returnability | No |
| 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 | 3.46 in (8.8 cm) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 24 |
| Package 2 Weight | 8.56 lb(US) (3.884 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 | 159.24 lb(US) (72.228 kg) |
| Package 3 Height | 30.31 in (77 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 Carcinogen harm. For more information go to www.p65warnings.ca.gov |
| REACH free of SVHC | Yes |
| 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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