



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 | LC1D50A LC1D65A |
| Network type | DC AC |
| Thermal protection adjustment range | 48...65 A |
| [Ui] rated insulation voltage | 600 V power circuit conforming to CSA 600 V power circuit conforming to UL 690 V power circuit conforming to 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 Ir conforming to IEC 60947-4-1 |
| [Ith] conventional free air thermal current | 5 A for signalling circuit |
| Permissible current | 0.95 A at 380 V AC-15 for signalling circuit 0.06 A at 440 V DC-13 for signalling circuit |
| [Ue] rated operational voltage | 690 V AC 0...400 Hz |
| [Uimp] rated impulse withstand voltage | 6 kV |
| Phase failure sensitivity | Tripping current 130 % of Ir on two phase, the last one at 0 |
| Control type | Red push-button stop Blue push-button for reset mode |
| Temperature compensation | -20...60 °C |
| Connection pitch | 17.5 mm |
| Connections - terminals | Power circuit : lugs-ring terminals Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm² flexible without cable end Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm² flexible with cable end |

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|-------------------|---|
| | Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm ² solid without cable end |
| Tightening torque | Control circuit : 1.7 N.m on screw clamp terminals Power circuit : 6 N.m on lugs-ring terminals screw : M6 |
| Height | 70 mm |
| Width | 55 mm |
| Depth | 123 mm |
| Product weight | 0.375 kg |

Environment

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| Protective treatment | TH conforming to IEC 60068 |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Ambient air temperature for operation | -20...60 °C without derating conforming to IEC 60947-4-1 |
| Ambient air temperature for storage | -60...70 °C |
| Flame retardance | V1 conforming to UL 94 |
| Mechanical robustness | Shocks 15 Gn for 11 ms IEC 60068-2-7 Vibrations 4 gn IEC 60068-2-6 |
| Dielectric strength | 6 kV at 50 Hz conforming to IEC 60255-5 |
| Standards | EN 60947-5-1 IEC 60947-5-1 CSA C22.2 No 14 IEC 60947-4-1 UL 508 ATEX D 94/9/CE EN 60947-4-1 |
| Product certifications | DNV UL CCC GOST BV RINA GL ATEX INERIS CSA LROS (Lloyds register of shipping) |

Offer Sustainability

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| RoHS (date code: YYWW) | Compliant - since 0501 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
| Product end of life instructions | Need no specific recycling operations |

Contractual warranty

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| Warranty period | 18 months |
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