

LRD318L

Thermal overload relay, TeSys Deca, 690VAC, 12 to 18A, 1NO+1NC, class 20, for D40A to D65A, screw clamp



Main

| | |
|-------------------------------------|---|
| 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 | LC1D50A LC1D65A LC1D40A |
| Network type | DC AC |
| Thermal overload class | Class 20 conforming to IEC 60947-4-1 |
| Thermal protection adjustment range | 12...18 A |
| [Ui] rated insulation voltage | Power circuit: 600 V conforming to CSA Power circuit: 600 V conforming to UL Power circuit: 690 V 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 I _r conforming to IEC 60947-4-1 |
| Auxiliary contact composition | 1 NO + 1 NC |
| [I _{th}] conventional free air thermal current | 5 A for signalling circuit |
| Permissible current | 3 A at 120 V AC-15 for signalling circuit 0.22 A at 125 V DC-13 for signalling circuit |
| [U _e] rated operational voltage | 690 V AC 0...400 Hz for power circuit conforming to IEC 60947-4-1 |
| Associated fuse rating | 4 A gG for signalling circuit 4 A BS for 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 | -20...60 °C |
| Connections - terminals | Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² solid without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm ² flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm ² flexible with cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm ² solid without cable end |
| Tightening torque | Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 5 N.m - on EverLink BTR screw connectors |

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| Height | 70 mm |
| Width | 55 mm |
| Depth | 123 mm |
| Net weight | 0.375 kg |

Environment

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| Climatic withstand | Conforming to IACS E10 |
| 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 conforming to IEC 60068-2-7 Vibrations: 4 gn conforming to IEC 60068-2-6 |
| Dielectric strength | 1.89 kV at 50 Hz conforming to 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[RETURN]JUL[RETURN]CSA[RETURN]CCC[RETURN]EAC[RETURN]DNV-GL[RETURN]RMRS[RETURN]EU-RO MR[RETURN]LROS (Lloyds register of shipping)[RETURN]ATEX INERIS |

Packing Units

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|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 6.6 cm |
| Package 1 Width | 10.67 cm |
| Package 1 Length | 13.72 cm |
| Package 1 Weight | 0.41 kg |

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 |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |

Contractual warranty

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| Warranty | 18 months |
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