

# LRD340L

Thermal overload relay, TeSys Deca, 690VAC, 30 to 40A, 1NO+1NC, class 20, for D40A to D65A, EverLink BTR screw



## Main

|                                     |   |
|-------------------------------------|---|
| Range                               | TeSys<br>TeSys Deca   |
| Product name                        | TeSys LRD<br>TeSys Deca   |
| Product or component type           | Differential thermal overload relay   |
| Device short name                   | LRD   |
| Relay application                   | Motor protection  |
| Product compatibility               | LC1D50A<br>LC1D65A<br>LC1D40A   |
| Network type                        | AC<br>DC  |
| Thermal overload class              | Class 20 conforming to IEC 60947-4-1  |
| Thermal protection adjustment range | 30...40 A   |
| [Ui] rated insulation voltage       | Power circuit: 600 V conforming to CSA<br>Power circuit: 600 V conforming to UL<br>Power circuit: 690 V conforming to IEC 60947-4-1 |

## Complementary

|   |   |
|---|---|
| Network frequency                           | 0...400 Hz  |
| Mounting support                            | Plate, with specific accessories<br>Rail, with specific accessories<br>Under contactor  |
| Tripping threshold                          | 1.14 +/- 0.06 Ir conforming to IEC 60947-4-1  |
| Auxiliary contact composition               | 1 NO + 1 NC   |
| [Ith] conventional free air thermal current | 5 A for signalling circuit  |
| Permissible current                         | 3 A at 120 V AC-15 for signalling circuit<br>0.22 A at 125 V DC-13 for signalling circuit   |
| [Ue] 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<br>4 A BS for signalling circuit  |
| [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<br>Blue push-button: reset  |
| Temperature compensation                    | -20...60 °C   |
| Connections - terminals                     | Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> flexible without cable end<br>Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> flexible with cable end<br>Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> solid without cable end<br>Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm <sup>2</sup> flexible without cable end<br>Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm <sup>2</sup> flexible with cable end<br>Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm <sup>2</sup> solid without cable end |
| Tightening torque                           | Control circuit: 1.7 N.m - on screw clamp terminals<br>Power circuit: 5 N.m - on EverLink BTR screw connectors  |

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


## Environment

|                                       |  |
|---------------------------------------|--|
| 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<br>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<br>EN/IEC 60947-5-1<br>UL 60947-4-1<br>UL 60947-5-1<br>CSA C22.2 No 60947-4-1<br>CSA C22.2 No 60947-5-1<br>GB/T 14048.4<br>GB/T 14048.5 |
| Product certifications                | IEC[RETURN]UL[RETURN]CSA[RETURN]CCC[RETURN]EAC[RETURN]DNV-GL[RETURN]RMRS[RETURN]EU-RO MR[RETURN]LROS (Lloyds register of shipping)[RETURN]UKCA           |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 6.5 cm   |
| Package 1 Width              | 11 cm    |
| Package 1 Length             | 14 cm    |
| Package 1 Weight             | 410 g    |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 13       |
| Package 2 Height             | 15 cm    |
| Package 2 Width              | 30 cm    |
| Package 2 Length             | 40 cm    |
| Package 2 Weight             | 5.637 kg |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Compliant  <a href="#">EU RoHS Declaration</a> |
| Toxic heavy metal free     | Yes   |
| Mercury free               | Yes   |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| RoHS exemption information |  <a href="#">Yes</a>                           |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a> |
| Circularity Profile        |  <a href="#">End Of Life Information</a>       |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|