

# Lembar data produk

Spesifikasi



## TeSys LRD thermal overload relays - 12...18 A - class 10A

LRD318

### 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               | LC1D40A<br>LC1D50A<br>LC1D65A                                                                                                       |
| Network Type                        | DC<br>AC                                                                                                                            |
| Thermal Overload Class              | Class 10A conforming to IEC 60947-4-1                                                                                               |
| Thermal Protection Adjustment Range | 12...18 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                         | 0.95 A at 380 V AC-15 for signalling circuit<br>0.06 A at 440 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                                                                                  |

Disklaimer: Dokumentasi ini tidak ditujukan sebagai pengganti dan tidak untuk digunakan untuk menentukan kesesuaian atau keandalan produk ini untuk aplikasi pengguna

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connections - Terminals | Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm² flexible without cable end<br>Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm² flexible with cable end<br>Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm² solid without cable end<br>Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm² flexible without cable end<br>Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm² flexible with cable end<br>Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm² 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<br>EN 50495 |
| Product Certifications                | IEC<br>UL<br>CSA<br>CCC<br>EAC<br>DNV-GL<br>RMRS<br>EU-RO MR<br>LROS (Lloyds register of shipping)<br>ATEX INERIS<br>UKCA                                            |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 6.300 cm  |
| Package 1 Width              | 10.500 cm |
| Package 1 Length             | 13.800 cm |
| Package 1 Weight             | 392.000 g |
| Unit Type Of Package 2       | S02       |

|                              |           |
|------------------------------|-----------|
| Number Of Units In Package 2 | 13        |
| Package 2 Height             | 15.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 5.388 kg  |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 12 months |
|----------|-----------|

Keberlanjutan



**Green Premium™** label adalah komitmen Schneider Electric untuk memberikan produk dengan performa lingkungan terbaik di kelasnya. Green Premium menjanjikan kepatuhan pada peraturan terbaru, transparansi pada dampak lingkungan, serta produk melingkar dan rendah CO<sub>2</sub>.

**Panduan untuk menilai keberlanjutan produk** adalah laporan resmi yang menjelaskan standar label lingkungan global dan bagaimana menafsirkan deklarasi lingkungan.

[Pelajari lebih lanjut tentang Green Premium >](#)

[Panduan untuk menilai keberlanjutan produk >](#)



Transparansi   RoHS/REACH

Kinerja kesejahteraan

|   |                            |     |
|---|----------------------------|-----|
| ✓ | Reach Free Of Svhc         |     |
| ✓ | Toxic Heavy Metal Free     |     |
| ✓ | Mercury Free               |     |
| ✓ | Rohs Exemption Information | Yes |

Sertifikasi & Standar

|                          |                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                           |
| Eu Rohs Directive        | Compliant<br><a href="#">EU RoHS Declaration</a>                                                            |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope) |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                               |
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                     |