# **Product datasheet**

Specification





# TeSys LRD thermal overload relays - 16...24 A - class 10A

LRD226

## 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               | LC1D32<br>LC1D25<br>LC1D38  |  |
| Network type                        | DC<br>AC  |  |
| Thermal overload class              | Class 10A conforming to IEC 60947-4-1   |  |
| Thermal protection adjustment range | 1624 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

| Network frequency                           | 0400 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   |
| Auxiliary contact composition               | 1 NO + 1 NC  |
| [Ith] conventional free air thermal current | 5 A for signalling circuit   |
| Permissible current                         | 1.5 A at 240 V AC-15 for signalling circuit<br>0.1 A at 250 V DC-13 for signalling circuit |
| [Ue] rated operational voltage              | 690 V AC 0400 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                                |
| [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                    | -2060 °C   |
| Connection pitch                            | 17.5 mm  |

| Connections - terminals | Control circuit: screw clamp terminals 2 cable(s) 12.5 mm² flexible without cable end  Control circuit: screw clamp terminals 2 cable(s) 12.5 mm² flexible with cable end  Control circuit: screw clamp terminals 2 cable(s) 12.5 mm² solid without cable end  Power circuit: lugs-ring terminals |  |
|-------------------------|---|--|
| Tightening torque       | Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 2.3 N.m - on lugs-ring terminals M4  |  |
| Height                  | 66 mm   |  |
| Width                   | 45 mm   |  |
| Depth                   | 70 mm   |  |
| Net weight              | 0.124 kg  |  |

## **Environment**

| Climatic withstand                    | conforming to IACS E10   |  |
|---------------------------------------|--|--|
| IP degree of protection               | IP20 conforming to IEC 60529   |  |
| Ambient air temperature for operation | -2060 °C without derating conforming to IEC 60947-4-1  |  |
| Ambient air temperature for storage   | -6070 °C   |  |
| Flame retardance                      | V1 conforming to UL 94   |  |
| Mechanical robustness                 | Vibrations: 6 Gn conforming to IEC 60068-2-6<br>Shocks: 15 Gn for 11 ms conforming to IEC 60068-2-7  |  |
| 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 UL CSA CCC EAC BV RINA DNV-GL LROS (Lloyds register of shipping) ATEX INERIS UKCA  |  |

## **Packing Units**

| Unit Type of Package 1       | PCE    |
|------------------------------|--------|
| Number of Units in Package 1 | 1      |
| Package 1 Height             | 8.8 cm |
| Package 1 Width              | 7.7 cm |
| Package 1 Length             | 4.9 cm |
| Package 1 Weight             | 153 g  |
| Unit Type of Package 2       | S02    |
| Number of Units in Package 2 | 24     |
| Package 2 Height             | 15 cm  |
| Package 2 Width              | 30 cm  |

| Package 2 Length | 40 cm    |
|------------------|----------|
| Package 2 Weight | 4.043 kg |

## **Contractual warranty**

Warranty 18 months

## Sustainability Screen Premium\*

**Green Premium**<sup>TM</sup> **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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Transparency RoHS/REACh

## Well-being performance



Reach Free Of Svhc



Rohs Exemption Information

Yes

#### **Certifications & Standards**

| Reach Regulation         | REACh Declaration   |
|--------------------------|---|
| Eu Rohs Directive        | Compliant with Exemptions   |
| China Rohs Regulation    | China RoHS declaration  Product out of China RoHS scope. Substance declaration for your information                         |
| Environmental Disclosure | Product Environmental Profile   |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile      | End of Life Information   |