



Main

| | |
|-------------------------------------|---|
| Range | TeSys |
| Product name | TeSys LRD |
| Product or component type | Differential thermal overload relay |
| Device short name | LR2D |
| Relay application | Motor protection |
| Product compatibility | LC1D95 LC1D80 |
| Network type | DC AC |
| Thermal protection adjustment range | 30...40 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 | 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 |
| [I _{th}] conventional free air thermal current | 5 A for signalling circuit |
| Permissible current | 0.72 A at 500 V AC-15 for signalling circuit 0.06 A at 440 V DC-13 for signalling circuit |
| [U _e] rated operational voltage | 690 V AC 0...400 Hz |
| [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 | Power circuit: screw clamp terminals 1 cable(s) 4...35 mm ² flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 4...35 mm ² flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 4...35 mm ² solid without cable end 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 |
| Tightening torque | Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 9 N.m - on screw clamp terminals |
| Height | 100 mm |
| Width | 75 mm |
| Depth | 121 mm |
| Net weight | 0.535 kg |

Environment

| | |
|---------------------------------------|---|
| 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 | Vibrations: 6 Gn conforming to IEC 60068-2-6 Shocks: 15 Gn for 11 ms conforming to IEC 60068-2-7 |
| Dielectric strength | 6 kV at 50 Hz conforming to IEC 60255-5 |
| Standards | CSA C22.2 No 14 ATEX D 94/9/CE IEC 60947-4-1 IEC 60947-5-1 EN 60947-5-1 UL 508 EN 60947-4-1 |
| Product certifications | ATEX INERIS GOST CCC LROS (Lloyds register of shipping) GL UL BV DNV CSA RINA |

Packing Units

| | |
|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 515 g |
| Package 1 Height | 7.8 cm |
| Package 1 width | 8.5 cm |
| Package 1 Length | 11.8 cm |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 12 |
| Package 2 Weight | 6.638 kg |
| Package 2 Height | 15 cm |
| Package 2 width | 30 cm |
| Package 2 Length | 40 cm |

Offer Sustainability

| | |
|--------------------------|-----------------------|
| Sustainable offer status | Green Premium product |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant |

EU RoHS Declaration

| | |
|----------------------------|---|
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope) |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Contractual warranty

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

