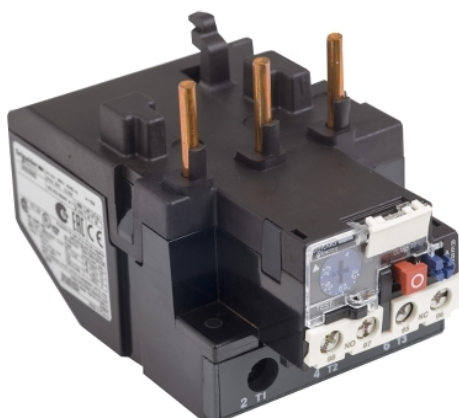




### Main

|                                     |                                                                                        |
|-------------------------------------|----------------------------------------------------------------------------------------|
| 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<br>LC1D80                                                                       |
| Network type                        | AC<br>DC                                                                               |
| Thermal protection adjustment range | 23...32 A                                                                              |
| [Ui] rated insulation voltage       | Power circuit 600 V CSA<br>Power circuit 600 V UL<br>Power circuit 690 V 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 IEC 60947-4-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| [Ith] conventional free air thermal current | 5 A signalling circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Permissible current                         | 0.72 A 500 V AC-15 signalling circuit<br>0.06 A 440 V DC-13 signalling circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| [Ue] rated operational voltage              | 690 V AC 0...400 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| [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                    | -4...140 °F (-20...60 °C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Connections - terminals                     | Power circuit screw clamp terminals 1 0.01...0.05 in <sup>2</sup> (4...35 mm <sup>2</sup> ) flexible without cable end<br>Power circuit screw clamp terminals 1 0.01...0.05 in <sup>2</sup> (4...35 mm <sup>2</sup> ) flexible with cable end<br>Power circuit screw clamp terminals 1 0.01...0.05 in <sup>2</sup> (4...35 mm <sup>2</sup> ) solid without cable end<br>Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) flexible without cable end<br>Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) flexible with cable end<br>Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) solid without cable end |
| Tightening torque                           | Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals<br>Power circuit 79.66 lbf.in (9 N.m) screw clamp terminals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Height                                      | 3.94 in (100 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Width                                       | 2.95 in (75 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Depth                                       | 4.76 in (121 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Net weight                                  | 1.18 lb(US) (0.535 kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Environment

|                                       |                                                                                                               |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH IEC 60068                                                                                                  |
| IP degree of protection               | IP20 IEC 60529                                                                                                |
| Ambient air temperature for operation | -4...140 °F (-20...60 °C) without derating IEC 60947-4-1                                                      |
| Ambient air temperature for storage   | -76...158 °F (-60...70 °C)                                                                                    |
| Flame retardance                      | V1 UL 94                                                                                                      |
| Mechanical robustness                 | Vibrations6 Gn IEC 60068-2-6<br>Shocks15 Gn for 11 ms IEC 60068-2-7                                           |
| Dielectric strength                   | 6 kV 50 Hz IEC 60255-5                                                                                        |
| Standards                             | EN 60947-4-1<br>IEC 60947-5-1<br>EN 60947-5-1<br>IEC 60947-4-1<br>UL 508<br>CSA C22.2 No 14<br>ATEX D 94/9/CE |
| Product certifications                | DNV<br>RINA<br>CCC<br>ATEX INERIS<br>CSA<br>UL<br>LROS (Lloyds register of shipping)<br>BV<br>GOST<br>GL      |

## Ordering and shipping details

|                   |                                        |
|-------------------|----------------------------------------|
| Category          | 22347 - CONTACTOR,D-LINE,OVERLOADS-NEW |
| Discount Schedule | I12                                    |
| GTIN              | 00785901258360                         |
| Returnability     | Yes                                    |
| Country of origin | FR                                     |

## Offer Sustainability

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