



### Main

|                                     |                                                  |
|-------------------------------------|--------------------------------------------------|
| Range                               | TeSys                                            |
| Product name                        | TeSys LRD                                        |
| Product or component type           | Differential thermal overload relay              |
| Device short name                   | LRD                                              |
| Relay application                   | Motor protection                                 |
| Product compatibility               | LC1D80<br>LC1D95                                 |
| Network type                        | AC<br>DC                                         |
| Thermal protection adjustment range | 63...80 A                                        |
| [Ui] rated insulation voltage       | 1000 V power circuit conforming to IEC 60947-4-1 |

### Complementary

|                                             |                                                                                                    |
|---------------------------------------------|----------------------------------------------------------------------------------------------------|
| Network frequency                           | 0...400 Hz                                                                                         |
| Mounting support                            | Plate with specific accessories                                                                    |
| Tripping threshold                          | 1.14 +/- 0.06 Ir conforming to IEC 60947-4-1                                                       |
| [Ith] conventional free air thermal current | 5 A for signalling circuit                                                                         |
| Permissible current                         | 0.72 A at 500 V AC-15 for 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                                                                               |
| Temperature compensation                    | -20...60 °C                                                                                        |
| Connections - terminals                     | Power circuit : screw clamp terminals 1 cable(s) 4...35 mm <sup>2</sup> flexible without cable end |
| Tightening torque                           | Control circuit : 1.7 N.m on screw clamp terminals                                                 |
| Height                                      | 123 mm                                                                                             |
| Width                                       | 75 mm                                                                                              |

|                |         |
|----------------|---------|
| Depth          | 121 mm  |
| Product weight | 0.51 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 IEC 60068-2-6                                                                                 |
| Dielectric strength                   | 6 kV at 50 Hz conforming to IEC 60255-5                                                                       |
| Standards                             | ATEX D 94/9/CE<br>EN 60947-4-1<br>EN 60947-5-1<br>IEC 60947-4-1<br>IEC 60947-5-1<br>UL 508<br>CSA C22.2 No 14 |
| Product certifications                | ATEX INERIS<br>BV<br>CCC<br>CSA<br>DNV<br>GL<br>GOST<br>LROS (Lloyds register of shipping)<br>RINA<br>UL      |

## Offer Sustainability

|                                  |                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                                 |
| RoHS (date code: YYWW)           | Compliant - since 0849 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                |
| Product environmental profile    | Available<br><a href="#">Product environmental</a>                                                                                    |
| Product end of life instructions | Available<br><a href="#">End of life manual</a>                                                                                       |

## Contractual warranty

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