

# LRD21

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

Product availability : Stock - Normally stocked in distribution facility



Price\* : 62.00 USD



### 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               | LC1D38<br>LC1D32<br>LC1D25<br>LC1D18   |
| Network type                        | AC<br>DC   |
| Thermal protection adjustment range | 12...18 A  |
| [Ui] rated insulation voltage       | 600 V power circuit conforming to CSA<br>600 V power circuit conforming to UL<br>690 V power circuit 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 I <sub>r</sub> conforming to IEC 60947-4-1                                   |
| [I <sub>th</sub> ] 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 |
| System Voltage   | 690 V AC 0...400 Hz  |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 6 kV   |
| Phase failure sensitivity                                | Tripping current 130 % of I <sub>r</sub> on two phase, the last one at 0                   |

|                          |  |
|--------------------------|--|
| Control type             | Red push-button stop<br>Blue push-button for reset mode  |
| Temperature compensation | -4...140 °F (-20...60 °C)  |
| Connections - terminals  | Control circuit: screw clamp terminals 2 cable(s) 0...0 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: flexible - without cable end<br>Control circuit: screw clamp terminals 2 cable(s) 0...0 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: flexible - with cable end<br>Control circuit: screw clamp terminals 2 cable(s) 0...0 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: solid - without cable end<br>Power circuit: screw clamp terminals 1 cable(s) 0...0.02 in <sup>2</sup> (1.5...10 mm <sup>2</sup> ) - cable stiffness: flexible - without cable end<br>Power circuit: screw clamp terminals 1 cable(s) 0...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) - cable stiffness: flexible - with cable end<br>Power circuit: screw clamp terminals 1 cable(s) 0...0.01 in <sup>2</sup> (1...6 mm <sup>2</sup> ) - cable stiffness: solid - without cable end |
| Tightening torque        | Control circuit: 15.04 lbf.in (1.7 N.m) - on screw clamp terminals<br>Power circuit: 22.12 lbf.in (2.5 N.m) - on screw clamp terminals   |
| Width                    | 1.77 in (45 mm)  |
| Depth                    | 2.76 in (70 mm)  |
| Product weight           | 0.27 lb(US) (0.124 kg)   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Protective treatment                  | TH conforming to IEC 60068  |
| IP degree of protection               | IP20 conforming to IEC 60529  |
| Ambient air temperature for operation | Without derating conforming to IEC 60947-4-1  |
| Ambient air temperature for storage   | -76...158 °F (-60...70 °C)  |
| Flame retardance                      | V1 conforming to UL 94  |
| Mechanical robustness                 | Vibrations 6 Gn IEC 60068-2-6<br>Shocks 15 Gn for 11 ms IEC 60068-2-7   |
| Dielectric strength                   | 6 kVat 50 Hz conforming to IEC 60255-5  |
| Standards                             | UL 508<br>EN 60947-5-1<br>IEC 60947-5-1<br>EN 60947-4-1<br>IEC 60947-4-1<br>ATEX D 94/9/CE<br>CSA C22.2 No 14 |
| Product certifications                | GOST<br>UL<br>DNV<br>RINA<br>BV<br>CSA<br>ATEX INERIS<br>GL<br>CCC<br>LROS (Lloyds register of shipping)      |

## Ordering and shipping details

|                       |  |
|-----------------------|--|
| Category              | 22347 - CONTACTOR,D-LINE,OVERLOADS-NEW |
| Discount Schedule     | I12                                    |
| GTIN                  | 00785901206798                         |
| Nbr. of units in pkg. | 1                                      |
| Package weight(Lbs)   | 0.32000000000000001                    |
| Returnability         | Y                                      |
| Country of origin     | FR                                     |

## Offer Sustainability

|                          |   |
|--------------------------|---|
| Sustainable offer status | Green Premium product   |
| RoHS (date code: YYWW)   | Compliant - since 0631 - Schneider Electric declaration of conformity |

 Schneider Electric declaration of conformity

|                                  |  |
|----------------------------------|--|
| REACH                            | Reference not containing SVHC above the threshold<br>Reference not containing SVHC above the threshold |
| Product environmental profile    | Available  |
| Product end of life instructions | Available  |

Contractual warranty

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