



### 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               | LC1D18<br>LC1D12<br>LC1D32<br>LC1D25<br>LC1D38                                         |
| Network type                        | DC<br>AC                                                                               |
| Thermal overload class              | Class 10A IEC 60947-4-1                                                                |
| Thermal protection adjustment range | 9...13 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                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Auxiliary contact composition               | 1 NO + 1 NC                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| [Ith] conventional free air thermal current | 5 A signalling circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Permissible current                         | 3 A 120 V AC-15 signalling circuit<br>0.22 A 125 V DC-13 signalling circuit                                                                                                                                                                                                                                                                                                                                                                                                        |
| [Ue] rated operational voltage              | 690 V AC 0...400 Hz power circuit IEC 60947-4-1                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Associated fuse rating                      | 4 A gG signalling circuit<br>4 A BS 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                    | -4...140 °F (-20...60 °C)                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Connections - terminals                     | Control circuit spring terminals 1 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) solid without cable end<br>Control circuit spring terminals 1 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) flexible without cable end<br>Power circuit spring terminals 1 0.00...0.01 in <sup>2</sup> (1.5...4 mm <sup>2</sup> ) flexible without cable end<br>Power circuit spring terminals 1 0.00...0.01 in <sup>2</sup> (1.5...4 mm <sup>2</sup> ) flexible with cable end |
| Height                                      | 3.66 in (93 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Width                                       | 1.77 in (45 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Depth                                       | 2.83 in (72 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Net Weight                                  | 0.31 lb(US) (0.14 kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Environment

|                                       |                                                                                                                                                                      |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Climatic withstand                    | IACS E10                                                                                                                                                             |
| IP degree of protection               | IP20 conforming to 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 conforming to UL 94                                                                                                                                               |
| Mechanical robustness                 | Vibrations6 Gn IEC 60068-2-6<br>Shocks15 Gn for 11 ms IEC 60068-2-7                                                                                                  |
| Dielectric strength                   | 1.89 kV 50 Hz IEC 60947-1                                                                                                                                            |
| Standards                             | EN/IEC 60947-4-1<br>EN/IEC 60947-5-1<br>UL 60947-4-1<br>UL 60947-5-1<br>CSA C22.2 No 60947-4-1<br>CSA C22.2 No 60947-5-1<br>GB/T 14048.4<br>GB/T 14048.5<br>EN 50495 |
| Product Certifications                | IEC<br>UL<br>CSA<br>CCC<br>EAC<br>BV<br>RINA<br>DNV-GL<br>LROS (Lloyds register of shipping)<br>ATEX INERIS<br>UKCA                                                  |

## Ordering and shipping details

|                       |                                      |
|-----------------------|--------------------------------------|
| Category              | 22347-CONTACTOR,D-LINE,OVERLOADS-NEW |
| Discount Schedule     | I12                                  |
| GTIN                  | 3389110822380                        |
| Nbr. of units in pkg. | 1                                    |
| Package weight(Lbs)   | 6.77 oz (192.0 g)                    |
| Returnability         | No                                   |
| Country of origin     | FR                                   |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Package 1 Height             | 2.17 in (5.5 cm)       |
| Package 1 width              | 3.15 in (8 cm)         |
| Package 1 Length             | 3.94 in (10 cm)        |
| Unit Type of Package 2       | S02                    |
| Number of Units in Package 2 | 23                     |
| Package 2 Weight             | 10.27 lb(US) (4.66 kg) |
| Package 2 Height             | 5.91 in (15 cm)        |
| Package 2 width              | 11.81 in (30 cm)       |
| Package 2 Length             | 15.75 in (40 cm)       |

## Offer Sustainability

|                           |                                                                                                                                                                                                                                                           |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation          |  <a href="#">REACH Declaration</a>                                                                                                                                     |
| 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>     |
| WEEE                        | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |
| <b>Contractual warranty</b> |                                                                                                                              |
| Warranty                    | 18 months                                                                                                                    |