# Product data sheet
## Characteristics

# LRD3355
## TeSys Deca, thermal overload relay, 30 to 40 A, class 10A, for LC1D80 and LC1D95

## Main

| | |
|---|---|
| Range | TeSys |
| 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 | LC1D80<br>LC1D95 |
| Network type | DC<br>AC |
| Thermal overload class | Class 10A IEC 60947-4-1 |
| Thermal protection adjustment range | 30…40 A |
| [Ui] rated insulation voltage | Power circuit 1000 V IEC 60947-4-1<br>Power circuit 600 V CSA<br>Power circuit 600 V UL |

## 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 | 0.72 A 500 V AC-15 signalling circuit<br>0.06 A 440 V DC-13 signalling circuit |
| [Ue] rated operational voltage | 1000 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 IEC 60947-1 |
| 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 in² (4…35 mm²) flexible without cable end<br>Power circuit screw clamp terminals 1 0.01…0.05 in² (4…35 mm²) flexible with cable end<br>Power circuit screw clamp terminals 1 0.01…0.05 in² (4…35 mm²) solid without cable end<br>Control circuit screw clamp terminals 2 0.00…0.00 in² (1…2.5 mm²) flexible without cable end<br>Control circuit screw clamp terminals 2 0.00…0.00 in² (1…2.5 mm²) flexible with cable end<br>Control circuit screw clamp terminals 2 0.00…0.00 in² (1…2.5 mm²) 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 | 3.19 in (81 mm) |
| Width | 2.76 in (70 mm) |
| Depth | 4.53 in (115 mm) |
| Product Weight | 1.12 lb(US) (0.51 kg) |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
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## 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 | 2.2 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>ATEX INERIS<br>UKCA |

## Ordering and shipping details

| | |
|---|---|
| Category | 22347-CONTACTOR,D-LINE,OVERLOADS-NEW |
| Discount Schedule | I12 |
| GTIN | 3389110519938 |
| Returnability | Yes |
| Country of origin | FR |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.07 in (7.800 cm) |
| Package 1 Width | 4.72 in (12.000 cm) |
| Package 1 Length | 3.39 in (8.600 cm) |
| Package 1 Weight | 17.57 oz (498.000 g) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 5.91 in (15.000 cm) |
| Package 2 Width | 11.81 in (30.000 cm) |
| Package 2 Length | 15.75 in (40.000 cm) |
| Package 2 Weight | 13.92 lb(US) (6.315 kg) |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 192 |
| Package 3 Height | 29.53 in (75.000 cm) |
| Package 3 Width | 23.62 in (60.000 cm) |
| Package 3 Length | 31.50 in (80.000 cm) |
| Package 3 Weight | 245.59 lb(US) (111.396 kg) |

## Offer Sustainability

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|---|---|
| Sustainable offer status | Green Premium product |
| 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 www.P65Warnings.ca.gov |
| REACh Regulation | REACh Declaration |
| REACh free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |

## Contractual warranty

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| Warranty | 18 months |