# Product data sheet

Specifications

## TeSys Deca thermal overload relays - 1...1.6 A - class 10A

LR3D06

**Product availability: Stock - Normally stocked in distribution facility**

**Price*: 60.00 USD**

## Main

| | |
|---|---|
| **Range** | TeSys<br>TeSys Deca |
| **Product Name** | TeSys LRD<br>TeSys Deca |
| **Product Or Component Type** | Non differential thermal overload relay |
| **Device Short Name** | LR3D |
| **Relay Application** | Motor protection |
| **Product Compatibility** | LC1D09<br>LC1D18<br>LC1D38<br>LC1D12<br>LC1D32<br>LC1D25 |
| **Network Type** | AC<br>DC |
| **Thermal Overload Class** | Class 10A IEC 60947-4-1 |
| **Thermal Protection Adjustment Range** | 1…1.6 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 for signalling circuit<br>4 A BS for 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 |

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: 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

| | |
|---|---|
| **Temperature Compensation** | -4…140 °F (-20…60 °C) |
| **Connections - Terminals** | 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<br>Power circuit screw clamp terminals 1 0.00…0.02 in² (1.5…10 mm²) flexible without cable end<br>Power circuit screw clamp terminals 1 0.00…0.01 in² (1…4 mm²) flexible with cable end<br>Power circuit screw clamp terminals 1 0.00…0.01 in² (1…6 mm²) solid without cable end |
| **Tightening Torque** | Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals<br>Power circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals |
| **Height** | 2.60 in (66 mm) |
| **Width** | 1.77 in (45 mm) |
| **Depth** | 2.76 in (70 mm) |
| **Net Weight** | 0.27 lb(US) (0.124 kg) |

# Environment

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|---|---|
| **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

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|---|---|
| **Category** | US10I1222347 |
| **Discount Schedule** | 0I12 |
| **Gtin** | 3389110346923 |
| **Returnability** | Yes |
| **Country Of Origin** | FR |

## Packing Units

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|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 1.93 in (4.9 cm) |
| **Package 1 Width** | 2.99 in (7.6 cm) |
| **Package 1 Length** | 3.46 in (8.8 cm) |
| **Package 1 Weight** | 4.94 oz (140.0 g) |
| **Unit Type Of Package 2** | S02 |
| **Number Of Units In Package 2** | 24 |
| **Package 2 Height** | 5.91 in (15 cm) |
| **Package 2 Width** | 11.81 in (30 cm) |
| **Package 2 Length** | 15.75 in (40 cm) |
| **Package 2 Weight** | 7.94 lb(US) (3.6 kg) |

## Contractual warranty

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|---|---|
| **Warranty** | 18 months |

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

## Well-being performance

Mercury Free

Rohs Exemption Information Yes

## Certifications & Standards

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|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Compliant with Exemptions |
| **China Rohs Regulation** | China RoHS declaration<br>Product out of China RoHS scope. Substance declaration for your information. |
| **Environmental Disclosure** | Product Environmental Profile |
| **Weee** | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |
| **Circularity Profile** | End of Life Information |
| **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 |