

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 TeSys Deca |
| Product name | TeSys LRD TeSys Deca |
| Product or Component Type | Non differential thermal overload relay |
| Device short name | LR3D |
| Relay application | Motor protection |
| Product Compatibility | LC1D09 LC1D18 LC1D38 LC1D12 LC1D32 LC1D25 |
| Network type | AC 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 Power circuit 600 V UL Power circuit 690 V IEC 60947-4-1 |

Complementary

| | |
|---|--|
| Network Frequency | 0...400 Hz |
| Mounting support | Plate, with specific accessories Rail, with specific accessories 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 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 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 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.

| | |
|---------------------------------|--|
| Temperature compensation | -4...140 °F (-20...60 °C) |
| Connections - terminals | Control circuit screw clamp terminals 2 0.002...0.004 in ² (1...2.5 mm ²) flexible without cable end Control circuit screw clamp terminals 2 0.002...0.004 in ² (1...2.5 mm ²) flexible with cable end Control circuit screw clamp terminals 2 0.002...0.004 in ² (1...2.5 mm ²) solid without cable end Power circuit screw clamp terminals 1 0.002...0.02 in ² (1.5...10 mm ²) flexible without cable end Power circuit screw clamp terminals 1 0.002...0.006 in ² (1...4 mm ²) flexible with cable end Power circuit screw clamp terminals 1 0.002...0.009 in ² (1...6 mm ²) solid without cable end |
| Tightening torque | Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Power circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals |
| Height | 2.6 in (66 mm) |
| Width | 1.8 in (45 mm) |
| Depth | 2.8 in (70 mm) |
| Net Weight | 0.273 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 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 EN/IEC 60947-5-1 UL 60947-4-1 UL 60947-5-1 CSA C22.2 No 60947-4-1 CSA C22.2 No 60947-5-1 GB/T 14048.4 GB/T 14048.5 EN 50495 |
| Product Certifications | IEC UL CSA CCC EAC BV RINA DNV-GL LROS (Lloyds register of shipping) ATEX INERIS UKCA |

Ordering and shipping details

| | |
|--------------------------|---------------|
| Category | US10I1222347 |
| Discount Schedule | 0I12 |
| GTIN | 3389110346923 |
| Returnability | Yes |
| Country of origin | FR |

Packing Units

| | |
|------------------------------|---------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.9 in (4.9 cm) |
| Package 1 Width | 3.0 in (7.6 cm) |
| Package 1 Length | 3.5 in (8.8 cm) |
| Package 1 Weight | 4.9 oz (140.0 g) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 24 |
| Package 2 Height | 5.9 in (15 cm) |
| Package 2 Width | 11.8 in (30 cm) |
| Package 2 Length | 15.7 in (40 cm) |
| Package 2 Weight | 7.9 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-CO₂ 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

Reach Free Of Svhc

Toxic Heavy Metal Free

Mercury Free

Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Compliant

[EU RoHS Declaration](#)

China Rohs Regulation

[China RoHS declaration](#)

Pro-active China RoHS declaration (out of China RoHS legal scope)

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