

Product data sheet

Specifications



TeSys Deca thermal overload relays,63...80A,class 20

LR3D3563

Product availability: Stock - Normally stocked in distribution facility

Price*: 127.00 USD

Main

| | |
|--------------------------------------------|-----------------------------------------------------------------------------------------|
| Range | TeSys |
| 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 | LC1D80 LC1D95 |
| Network Type | DC AC |
| Thermal Overload Class | Class 20 IEC 60947-4-1 |
| Thermal Protection Adjustment Range | 63...80 A |
| [U _i] Rated Insulation Voltage | Power circuit 1000 V IEC 60947-4-1 Power circuit 600 V CSA Power circuit 600 V UL |

Complementary

| | |
|----------------------------------------------------------|----------------------------------------------------------------------------------------|
| Network Frequency | 0...400 Hz |
| Mounting Support | Plate, with specific accessories Rail, with specific accessories Under contactor |
| Tripping Threshold | 1.14 +/- 0.06 I _r IEC 60947-4-1 |
| Auxiliary Contact Composition | 1 NO + 1 NC |
| [I _{th}] Conventional Free Air Thermal Current | 5 A signalling circuit |
| [U _e] 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 |
| [U _{imp}] Rated Impulse Withstand Voltage | 6 kV IEC 60947-1 |
| Phase Failure Sensitivity | Tripping current 130 % of I _r on two phase, the last one at 0 |
| Control Type | Red push-button stop Blue push-button reset |
| Temperature Compensation | -4...140 °F (-20...60 °C) |

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

| | |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connections - Terminals | Power circuit screw clamp terminals 1 0.01...0.05 in² (4...35 mm²) flexible without cable end Power circuit screw clamp terminals 1 0.01...0.05 in² (4...35 mm²) flexible with cable end Power circuit screw clamp terminals 1 0.01...0.05 in² (4...35 mm²) solid without cable end Control circuit screw clamp terminals 2 0.00...0.00 in² (1...2.5 mm²) flexible without cable end Control circuit screw clamp terminals 2 0.00...0.00 in² (1...2.5 mm²) flexible with cable end 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 Power circuit 79.66 lbf.in (9 N.m) screw clamp terminals |
| Width | 2.95 in (75 mm) |
| Depth | 4.76 in (121 mm) |
| Net Weight | 1.18 lb(US) (0.535 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 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 |
| Product Certifications | IEC UL CSA CCC EAC BV DNV-GL LROS (Lloyds register of shipping) UKCA |

Ordering and shipping details

| | |
|-------------------|---------------|
| Category | US10I1222347 |
| Discount Schedule | 0I12 |
| Gtin | 3606485335834 |
| Returnability | Yes |
| Country Of Origin | US |

Packing Units

| | |
|------------------------------|-----|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |

| | |
|------------------|--------------------|
| Package 1 Height | 3.35 in (8.5 cm) |
| Package 1 Width | 2.95 in (7.5 cm) |
| Package 1 Length | 4.72 in (12.0 cm) |
| Package 1 Weight | 18.87 oz (535.0 g) |

Contractual warranty

| | |
|----------|-----------|
| 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 |