

Product availability: Stock - Normally stocked in distribution facility

Price*: 298.00 USD



Main

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|-------------------------------------|-----------------------------------|
| Range | TeSys |
| Product name | TeSys LRF |
| Device short name | LR9F |
| Product or component type | Electronic thermal overload relay |
| Relay application | Motor protection |
| Product compatibility | LC1F185...LC1F265 |
| Network type | AC |
| Thermal overload class | Class 10 IEC 60947-4 |
| Thermal protection adjustment range | 132...220 A |

Complementary

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|--|---|
| Network frequency | 50/60 Hz |
| Mounting support | Direct on contactor Plate |
| Tripping threshold | 1.12 +/- 0.06 I _n tripping IEC 60947-4-1 |
| Surge withstand | 4 KV IEC 61000-4-5 |
| Contacts type and composition | 1 NO + 1 NC |
| [I _{th}] conventional free air thermal current | 5 A control circuit |
| [U _e] rated operational voltage | 1000 V AC 50/60 Hz power circuit VDE 0110 group C |
| [U _i] rated insulation voltage | Power circuit 1000 V AC IEC 60947-4 |
| [U _{imp}] rated impulse withstand voltage | 8 KV IEC 60947-1 |
| Phase failure sensitivity | Tripping in 4 s +/- 20 % IEC 60947-4-1 |
| Reset | Manual reset on front relay |
| Control type | Dial White full-load current adjustment Test button Red Push-button Red reset Push-button stop |
| Local signalling | Trip indicator |
| Temperature compensation | -4...158 °F (-20...70 °C) |
| Current consumption | <= 5 mA no-load |

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| Switching capacity in mA | 0...150 mA |
| Maximum voltage drop | <2.5 V closed state |
| Connections - terminals | Control circuit screw clamp terminals 1 0.00...0.00 in ² (0.75...2.5 mm ²) flexible - with-cable end Control circuit screw clamp terminals 1 0.00...0.00 in ² (0.75...2.5 mm ²) solid Control circuit screw clamp terminals 1 0.00...0.01 in ² (0.75...4 mm ²) flexible - without-cable end Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...1.5 mm ²) flexible - with cable end Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) flexible - without-cable end Control circuit screw clamp terminals 2 0.00 in ² (1 mm ²) solid Power circuit lugs-ring terminals M10 |
| Tightening torque | Control circuit 1.2 N.m screw clamp terminals Power circuit 35 N.m screw clamp terminals |
| Height | 3.98 In (101 mm) |
| Width | 4.53 In (115 mm) |
| Depth | 4.86 In (123.5 mm) |
| Net Weight | 2.09 Lb(US) (0.95 kg) |

Environment

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| Standards | IEC 60255-17 IEC 60947-4-1 IEC 60255-8 VDE 0660 EN 60947-4-1 |
| Product certifications | UL CSA UKCA |
| Protective treatment | TH |
| IP degree of protection | IP20 conforming to IEC 60529 IP20 conforming to VDE 0106 |
| Ambient air temperature for operation | -4...131 °F (-20...55 °C) IEC 60255-8 |
| Ambient air temperature for storage | -40...185 °F (-40...85 °C) |
| Operating altitude | <= 6561.68 ft (2000 m) without derating |
| Fire resistance | 1562 °F (850 °C) IEC 60695-2-1 |
| Mechanical robustness | Shocks 13 Gn for 11 ms IEC 60068-2-7 Vibrations 5...300 Hz 2 Gn IEC 60068-2-6 |
| Dielectric strength | 6 kV 50 Hz IEC 255-5 |
| Electromagnetic compatibility | Resistance to electrostatic discharge 6 kV in indirect mode IEC 61000-4-2 Resistance to electrostatic discharge 8 kV in air IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test 10 V/m IEC 61000-4-3 Fast transients immunity test 2 kV IEC 61000-4-4 |

Ordering and shipping details

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|-----------------------|------------------------------------|
| Category | 22334 - CONTACTOR,F-LINE,OVERLOADS |
| Discount Schedule | I12 |
| GTIN | 03389110566017 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 2.29 Lb(US) (1.04 kg) |
| Returnability | Yes |
| Country of origin | FR |

Packing Units

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|------------------------------|---------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 6.50 In (16.5 cm) |
| Package 1 width | 5.12 In (13 cm) |
| Package 1 Length | 5.91 In (15 cm) |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 11 |
| Package 2 Weight | 26.52 Lb(US) (12.03 kg) |
| Package 2 Height | 11.81 In (30 cm) |
| Package 2 width | 15.75 In (40 cm) |
| Package 2 Length | 23.62 In (60 cm) |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 44 |
| Package 3 Weight | 130.18 Lb(US) (59.048 kg) |
| Package 3 Height | 31.50 In (80 cm) |
| Package 3 width | 31.50 In (80 cm) |
| Package 3 Length | 23.62 In (60 cm) |

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 |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |
| PVC free | Yes |

Contractual warranty

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| Warranty | 18 months |
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Product Life Status : **Commercialised**