

LR9F5569

TeSys LRF - electronic thermal overload relay - 90...150 A - class 20

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 | LC1F115...LC1F185 |
| Network type | AC |
| Overload tripping class | Class 20 conforming to IEC 60947-4 |
| Thermal protection adjustment range | 90...150 A |

Complementary

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|--|---|
| Network frequency | 50/60 Hz |
| Supply voltage limits | 17...32 V |
| Mounting support | Plate Direct on contactor |
| Tripping threshold | 1.12 +/- 0.06 I _n tripping conforming to IEC 60947-4-1 |
| Surge withstand | 4 kV conforming to IEC 61000-4-5 |
| Contacts type and composition | 1 NO + 1 NC |
| [I _{th}] conventional free air thermal current | 5 A for control circuit |
| System Voltage | 1000 V AC 50/60 Hz power circuit conforming to VDE 0110 group C |
| [U _i] rated insulation voltage | 1000 V AC power circuit conforming to IEC 60947-4 |
| [U _{imp}] rated impulse withstand voltage | 8 kV conforming to IEC 60947-1 |
| Phase failure sensitivity | Tripping in 4 s +/- 20 % conforming to IEC 60947-4-1 |
| Reset | Manual reset on front relay |
| Control type | Dial white full-load current adjustment Test button red |

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|--------------------------|---|
| | 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 |
| Switching capacity in mA | 0...150 mA |
| Voltage drop | <= 2.5 V closed state |
| Connections - terminals | Control circuit: screw clamp terminals 1 cable 0...0 in ² (0.75...2.5 mm ²) - cable stiffness: solid Control circuit: screw clamp terminals 2 cable 0 in ² (1 mm ²) - cable stiffness: solid Control circuit : screw clamp terminals 1 cable 0.75...2.5 mm ² - cable stiffness: flexible - with cable end cable end Control circuit : screw clamp terminals 1 cable 0.75...4 mm ² - cable stiffness: flexible - without cable end cable end Control circuit : screw clamp terminals 2 cable 1...1.5 mm ² - cable stiffness: flexible - with cable end cable end Control circuit : screw clamp terminals 2 cable 1...2.5 mm ² - cable stiffness: flexible - without cable end cable end Power circuit : lugs-ring terminals M8 |
| Tightening torque | Control circuit: 10.62 lbf.in (1.2 N.m) - on screw clamp terminals Power circuit: 159.29 lbf.in (18 N.m) - on screw clamp terminals |
| Height | 3.78 in (96 mm) |
| Width | 4.53 in (115 mm) |
| Depth | 4.86 in (123.5 mm) |
| Product weight | 1.95 lb(US) (0.885 kg) |

Environment

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|---------------------------------------|---|
| Standards | EN 50081-1 EN 50081-2 EN 50082-2 EN 60947-4-1 IEC 60255-17 IEC 60255-8 IEC 60947-4-1 VDE 0660 |
| Product certifications | CSA UL |
| Protective treatment | TH |
| IP degree of protection | IP20 conforming to VDE 0106 IP20 conforming to IEC 60529 |
| Ambient air temperature for operation | -4...131 °F (-20...55 °C) conforming to 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) conforming to IEC 60695-2-1 |
| Mechanical robustness | Shocks 13 Gn for 11 ms conforming to IEC 60068-2-7 Vibrations 5...300 Hz 2 Gn conforming to IEC 60068-2-6 |
| Dielectric strength | 6 kVat 50 Hz conforming to IEC 255-5 |
| Electromagnetic compatibility | Radiated radio-frequency electromagnetic field immunity test 10 V/m conforming to IEC 61000-4-3 Resistance to electrostatic discharge 6 kV in indirect mode conforming to IEC 61000-4-2 Resistance to electrostatic discharge 8 kV in air conforming to IEC 61000-4-2 Fast transients immunity test 2 kV conforming to IEC 61000-4-4 |

Ordering and shipping details

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|-----------------------|------------------------------------|
| Category | 22334 - CONTACTOR,F-LINE,OVERLOADS |
| Discount Schedule | I12 |
| GTIN | 00785901640196 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 1.9199999999999999 |
| Returnability | Y |
| Country of origin | FR |

Contractual warranty

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|-----------------|-----------|
| Warranty period | 18 months |
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