## LR9F5369

TeSys LRF - electronic thermal overload relay - 90...150 A - class 10

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### Main

<table>
<thead>
<tr>
<th>Range</th>
<th>TeSys</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>TeSys LRF</td>
</tr>
<tr>
<td>Device short name</td>
<td>LR9F</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Electronic thermal overload relay</td>
</tr>
<tr>
<td>Relay application</td>
<td>Motor protection</td>
</tr>
<tr>
<td>Product compatibility</td>
<td>LC1F115...LC1F185</td>
</tr>
<tr>
<td>Network type</td>
<td>AC</td>
</tr>
<tr>
<td>Thermal overload class</td>
<td>Class 10 conforming to IEC 60947-4</td>
</tr>
<tr>
<td>Thermal protection adjustment range</td>
<td>90...150 A</td>
</tr>
</tbody>
</table>

### Complementary

| Network frequency | 50/60 Hz               |
| Supply voltage limits | 17...32 V             |
| Mounting support  | Plate Direct on contactor |
| Tripping threshold | 1.12 +/- 0.06 In 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   |
| [Ith] conventional free air thermal current | 5 A for control circuit |
| [Ue] rated operational voltage | 1000 V AC 50/60 Hz for power circuit conforming to VDE 0110 group C |
| [Ui] rated insulation voltage | 1000 V AC power circuit conforming to IEC 60947-4 |
| [Uimp] 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 Push-button red reset Push-button stop |

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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.

Jul 19, 2019
**Local signalling**
- Trip indicator

**Temperature compensation**
- -20...70 °C

**Current consumption**
- <= 5 mA no-load

**Switching capacity for alarm**
- 0...150 mA

**Voltage drop**
- 2.5 V closed state

**Connections - terminals**
- Control circuit : screw clamp terminals 1 cable 0.75...2.5 mm² - cable stiffness: solid
- Control circuit : screw clamp terminals 2 cable 1 mm² - cable stiffness: solid
- Control circuit : screw clamp terminals 1 cable 0.75...2.5 mm² - cable stiffness: flexible - with cable end cable end
- Control circuit : screw clamp terminals 2 cable 1...1.5 mm² - cable stiffness: flexible - without cable end cable end
- Control circuit : screw clamp terminals 2 cable 1...2.5 mm² - cable stiffness: flexible - without cable end cable end
- Control circuit : screw clamp terminals 2 cable 1...2.5 mm² - cable stiffness: flexible - with cable end cable end
- Power circuit : lugs-ring terminals M8

**Tightening torque**
- Control circuit : 1.2 N.m - on screw clamp terminals
- Power circuit : 18 N.m - on screw clamp terminals

**Height**
- 96 mm

**Width**
- 115 mm

**Depth**
- 123.5 mm

**Product weight**
- 0.885 kg

**Environment**

**Standards**
- EN 60947-4-1
- IEC 60947-4-1
- IEC 60255-17
- VDE 0660
- IEC 60255-8

**Product certifications**
- UL
- CSA

**Protective treatment**
- TH

**IP degree of protection**
- IP20 conforming to VDE 0106
- IP20 conforming to IEC 60529

**Ambient air temperature for operation**
- -20...55 °C conforming to IEC 60255-8

**Ambient air temperature for storage**
- -40...85 °C

**Operating altitude**
- <= 2000 m without derating

**Fire resistance**
- 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 kV at 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

**Offer Sustainability**

**Sustainable offer status**
- Green Premium product

**RoHS (date code: YYWW)**
- Compliant - since 1001 - Schneider Electric declaration of conformity

**REACH**
- Reference not containing SVHC above the threshold

**Product environmental profile**
- Available

**Product end of life instructions**
- Available

**Contractual warranty**

**Warranty period**
- 18 months