

Main

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|---------------------------|------------------------|
| Range of product | TeSys E |
| Product or component type | Thermal overload relay |
| Device short name | LRE |
| Relay application | Overload protection |
| Product compatibility | LC1E12...38 |
| Network type | AC |

Complementary

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|--|--|
| Network frequency | 50...60 Hz |
| [Ue] rated operational voltage | <= 690 V AC |
| [Ui] rated insulation voltage | 690 V AC power circuit IEC 60947-4-1 |
| [Uimp] rated impulse withstand voltage | 6 kV |
| Mounting support | 110 mm centre independent mounting 50 mm centre independent mounting Rail |
| Overload tripping class | Class 10A IEC 60947-4-1 |
| Signalling function | Relay trip indicator |
| Thermal protection adjustment range | 9...13 A |
| Tripping threshold | 1.14 +/- 0.06 I _r IEC 60947-4-1 |
| Connections - terminals | Screw clamp terminal power circuit 1 1...6 mm ² solid without Screw clamp terminal power circuit 1 1...4 mm ² flexible with Screw clamp terminal power circuit 1 1.5...6 mm ² flexible without Screw clamp terminal control circuit 1 2...5 mm ² solid without Screw clamp terminal control circuit 1 2...5 mm ² flexible with Screw clamp terminal control circuit 1 2...5 mm ² flexible without |
| Tightening torque | 1.7 N.m power circuit screw clamp terminal 1...6 mm ² 1.7 N.m power circuit screw clamp terminal 1...4 mm ² 1.7 N.m power circuit screw clamp terminal 1.5...6 mm ² 1.7 N.m control circuit screw clamp terminal 2...5 mm ² |
| [I _{th}] conventional free air thermal current | 5 A control circuit |
| Surge withstand | 6 kV IEC 60801-5 |
| Permissible current | 9...13 A power circuit |
| Protection type | GG fuse 25 A power circuit AM fuse 16 A power circuit |
| Phase failure sensitivity | Tripping current 130 % of I _r on two phase, the last one at 0 IEC 60947-4-1 |
| Reset | Manual or automatic reset compensated relay |
| Temperature compensation | -20...60 °C |
| Height | 86 mm |
| Width | 45 mm |
| Depth | 70 mm |
| Product weight | 0.13 kg |

Environment

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|---------------------------------------|---|
| Standards | IEC 60947-4-1 IEC 60947-5-1 |
| Product certifications | GOST |
| IP degree of protection | IP20 IEC 60529 |
| Protective treatment | TH IEC 60068 |
| Ambient air temperature for operation | -20...70 °C with derating -20...60 °C without derating IEC 60947-4-1 |
| Ambient air temperature for storage | -60...80 °C |
| Operating position | Any position without in relation to normal vertical mounting plane |
| Fire resistance | 850 °C IEC 60068-2-1 |
| Shock resistance | 6 gn 11 ms IEC 60068-2-7 |
| Vibration resistance | 3 gn IEC 60068-2-6 |
| Dielectric strength | 6000 V 50 Hz IEC 60255-5 |

Offer Sustainability

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|--------------------------|---|
| Sustainable offer status | Not Green Premium product |
| RoHS | Compliant - since 1110 - Schneider Electric declaration of conformity |

Contractual warranty

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|--------|-----------|
| Period | 18 months |
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