



Main

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| Range | TeSys |
| Product name | TeSys LT |
| Product or component type | Electronic over current relay |
| Device short name | LT47 |
| Device application | Protection |
| Relay application | Overload $I_{max} > I_{setting}$ Sensitivity to phase failure Locked rotor, mechanical jamming $I > 3 \times I_{setting}$ |
| [Us] rated supply voltage | 24 V AC 24 V DC |
| Thermal protection adjustment range | 5...60 A |
| [Ui] rated insulation voltage | Power circuit: 600 V AC conforming to CSA Power circuit: 600 V AC conforming to UL Power circuit: 690 V AC conforming to IEC 60947-4-1 |

Complementary

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| Network frequency | 50...60 Hz |
| Mounting support | Rail |
| Tripping threshold | 5...50 A |
| Electromagnetic compatibility | Resistance to electrostatic discharge: 8 kV in open air conforming to IEC 61000-4-2 Resistance to electrostatic discharge: 6 kV in direct mode conforming to IEC 61000-4-2 Conducted emission: class A conforming to EN 55011 Immunity to electromagnetic interference: 10 V/m conforming to IEC 61000-4-3 Immunity to fast transients: 2 kV conforming to IEC 61000-4-4 Surge withstand: 6 kV conforming to IEC 61000-4-5 Conducted HF disturbances: 10 V conforming to IEC 61000-4-6 |
| Auxiliary contact composition | 1 NO + 1 NC |
| [Ith] conventional free air thermal current | 3 A for signalling circuit |
| Associated fuse rating | 3 A gG for signalling circuit 3 A BS for signalling circuit |
| [Uimp] rated impulse withstand voltage | 6 kV |
| Time range | 1...120 s - control type R-time 0.3...30 s - control type O-time |
| Local signalling | 1 LED (green) 1 LED (red) |

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| Control type | automatic: reset |
| Connections - terminals | Signalling circuit: screw clamp terminals 1 1...2.5 mm ² - cable stiffness: flexible with cable end Signalling circuit: screw clamp terminals 1 1...2.5 mm ² - cable stiffness: flexible without cable end Signalling circuit: screw clamp terminals 2 1...2.5 mm ² - cable stiffness: flexible with cable end Signalling circuit: screw clamp terminals 2 1...2.5 mm ² - cable stiffness: flexible without cable end |
| Tightening torque | Signalling circuit: 1.7 N.m M3.5 |
| Height | 70.3 mm |
| Width | 71 mm |
| Depth | 77.2 mm |
| Net weight | 0.192 kg |

Environment

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| Standards | IEC 60947 IEC 60255-6 |
| Product certifications | UL CSA |
| Protective treatment | TH conforming to IEC 60068 |
| IP degree of protection | IP20 conforming to IEC 60529 IP20 conforming to VDE 0106 |
| Ambient air temperature for operation | -25...60 °C without derating conforming to IEC 60947-4-1 |
| Ambient air temperature for storage | -30...80 °C |
| Operating altitude | 2000 m |
| Mechanical robustness | Shocks: 15 Gn for 11 ms conforming to IEC 60068-2-7 Vibrations: 4 gn conforming to IEC 60068-2-6 |
| Dielectric strength | 2 kV at 50 Hz conforming to IEC 60255-5 |

Offer Sustainability

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| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Contractual warranty

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| Warranty | 18 months |
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