

Product datasheet

Specifications



TeSys LT47 electronic over current relays - manual - 5...60 A - 100...120 V AC

Local distributor code:
387271565

LT4760F7S

EAN Code: 3389110577020

Main

| | |
|-------------------------------------|--|
| Range | TeSys |
| Product name | TeSys LT |
| Product or component type | Electronic overcurrent relay |
| Device short name | LT47 |
| Device application | Protection |
| Relay application | Sensitivity to phase failure Locked rotor, mechanical jamming $I > 3 \times I_{setting}$ Overload $I_{max} > I_{setting}$ |
| [Us] rated supply voltage | 100...120 V AC |
| 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

| | |
|---|--|
| 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 | 0.5...30 s - control type D-time 0.3...10 s - control type O-time |
| Local signalling | 1 LED (green) 1 LED (red) |
| Control type | push-button: reset electrical: reset |

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|--------------------------------|--|
| 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 60255-6 IEC 60947 |
| 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 |

Packing Units

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|-------------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 6.500 cm |
| Package 1 Width | 7.800 cm |
| Package 1 Length | 8.500 cm |
| Package 1 Weight | 199.000 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 16 |
| Package 2 Height | 15.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 3.632 kg |

Logistical informations

| | |
|--------------------------|----|
| Country of origin | KR |
|--------------------------|----|

Contractual warranty



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

Total lifecycle Carbon footprint 51

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic No

[EU RoHS Directive](#) Compliant with Exemptions

SCIP Number 99e36f9f-1e4f-4e3a-a849-bdda6ef53eb9

REACH Regulation [REACH Declaration](#)

Use Again

Repack and remanufacture

End of life manual availability [End of Life Information](#)

Take-back No

WEEE Label  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins