# Product datasheet

Specifications

## Electronic over current relays, TeSys LT47, manual, 5 to 60A, 200 to 240VAC

LT4760M7S

## Main

| | |
|---|---|
| **Range** | TeSys |
| **Product name** | TeSys LT |
| **Product or component type** | Electronic overcurrent relay |
| **Device short name** | LT47 |
| **Device application** | Protection |
| **Relay application** | Locked rotor, mechanical jamming I > 3 x Isetting<br>Overload Imax > Isetting<br>Sensitivity to phase failure |
| **[Us] rated supply voltage** | 200...240 V AC |
| **Thermal protection adjustment range** | 5…60 A |
| **[Ui] rated insulation voltage** | Power circuit: 600 V AC conforming to CSA<br>Power circuit: 600 V AC conforming to UL<br>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<br>Resistance to electrostatic discharge: 6 kV in direct mode conforming to IEC 61000-4-2<br>Conducted emission: class A conforming to EN 55011<br>Immunity to electromagnetic interference: 10 V/m conforming to IEC 61000-4-3<br>Immunity to fast transients: 2 kV conforming to IEC 61000-4-4<br>Surge withstand: 6 kV conforming to IEC 61000-4-5<br>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<br>3 A BS for signalling circuit |
| **[Uimp] rated impulse withstand voltage** | 6 kV |
| **Time range** | 0.5..30 s - control type D-time<br>0.3...10 s - control type O-time |
| **Local signalling** | 1 LED (green)<br>1 LED (red) |
| **Control type** | push-button: reset<br>electrical: reset |

| | |
|---|---|
| **Connections - terminals** | Signalling circuit: screw clamp terminals 1 1…2.5 mm² - cable stiffness: flexible with cable end<br>Signalling circuit: screw clamp terminals 1 1…2.5 mm² - cable stiffness: flexible without cable end<br>Signalling circuit: screw clamp terminals 2 1…2.5 mm² - cable stiffness: flexible with cable end<br>Signalling circuit: screw clamp terminals 2 1…2.5 mm² - 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

| | |
|---|---|
| **Standards** | IEC 60255-6<br>IEC 60947 |
| **Product certifications** | UL<br>CSA |
| **Protective treatment** | TH conforming to IEC 60068 |
| **IP degree of protection** | IP20 conforming to IEC 60529<br>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<br>Vibrations: 4 gn conforming to IEC 60068-2-6 |
| **Dielectric strength** | 2 kV at 50 Hz conforming to IEC 60255-5 |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 6.819 cm |
| **Package 1 Width** | 7.884 cm |
| **Package 1 Length** | 8.412 cm |
| **Package 1 Weight** | 201.0 g |
| **Unit Type of Package 2** | S02 |
| **Number of Units in Package 2** | 16 |
| **Package 2 Height** | 15.0 cm |
| **Package 2 Width** | 30.0 cm |
| **Package 2 Length** | 40.0 cm |
| **Package 2 Weight** | 3.641 kg |
| **Unit Type of Package 3** | PAL |
| **Number of Units in Package 3** | 256 |
| **Package 3 Height** | 77.0 cm |
| **Package 3 Width** | 80.0 cm |

| | |
|---|---|
| **Package 3 Length** | 60.0 cm |
| **Package 3 Weight** | 67.236 kg |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## 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 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **4 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0.2 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **46 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0.3 kg CO2 eq.** |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **No** |
| SCIP Number | **99e36f9f-1e4f-4e3a-a849-bdda6ef53eb9** |
| EU RoHS Directive | **Compliant By Exemption** |
| REACh Regulation | **Reference contains Substances of Very High Concern above the threshold** |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **15** |
| 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** |

Technical Illustration

## Assembly's dimensions