# Product data sheet
## Characteristics

# LT4760M7A
Electronic over current relays, TeSys LT47, automatic, 5 to 60A, 200 to 240VAC



## Main

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|---|---|
| Range | TeSys |
| Product name | TeSys LT |
| Product or component type | Electronic overcurrent relay |
| Device short name | LT47 |
| Device application | Protection |
| Relay application | Overload Imax > Isetting<br>Locked rotor, mechanical jamming I > 3 x 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

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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<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 | 1...120 s - control type R-time<br>0.3...30 s - control type O-time |
| Local signalling | 1 LED (green)<br>1 LED (red) |
| Control type | Automatic: 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 e<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 e |
| Tightening torque | Signalling circuit: 1.7 N.m M3.5 |
| Height | 70.3 Mm |
| Width | 71 Mm |

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| Depth | 77.2 Mm |
| Net weight | 0.192 Kg |

## Environment

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| Standards | IEC 60255-6<br>IEC 60947 |
| Product certifications | UL[RETURN]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

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 6.5 Cm |
| Package 1 Width | 7.8 Cm |
| Package 1 Length | 8.5 Cm |
| Package 1 Weight | 196 G |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 16 |
| Package 2 Height | 15 Cm |
| Package 2 Width | 30 Cm |
| Package 2 Length | 40 Cm |
| Package 2 Weight | 3.606 Kg |

## Offer Sustainability

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|---|---|
| Recyclability potential, in % | 15 |
| Total lifecycle Carbon footprint | 51 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 4.2551534817429015 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 4 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.19904301132032307 |
| Carbon footprint of the distribution phase [A4] | 0.2 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.0016814094915466775 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 46.195656089438586 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 46 kg CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | No |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.29647244008628776 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.3 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 51 |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No |
| SCIP Number | 99e36f9f-1e4f-4e3a-a849-bdda6ef53eb9 |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant By Exemption |
| End of life manual availability | End Of Life Information |

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| Take-back | No |
| WEEE Label | The product must be disposed on European Union markets following specific waste collection a |

## Contractual warranty

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| Warranty (in months) | 18 |

Product Life Status : Commercialised