

Product datasheet

Specifications



Thermistor protection units, TeSys LT3, 250VAC 50/60Hz, 24 to 230VAC/DC, 20C, manual reset

LT3SM00MW

⚠ Discontinued on: Oct 9, 2023

⚠ Discontinued

Main

| | |
|------------------------------|---|
| Range Of Product | LT3 |
| Device Short Name | LT3SM |
| Product Or Component Type | Thermistor protection units |
| [Uc] Control Circuit Voltage | 24...230 V AC 50/60 Hz 24...230 V DC |
| Reset | Manual |

Complementary

| | |
|---|---|
| Control Circuit Voltage Limits | 0.85...1.1 Uc |
| Contacts Type And Composition | 2 C/O multi voltage |
| [Ith] Conventional Free Air Thermal Current | 5 A for output control relay |
| [Ui] Rated Insulation Voltage | Output control relay: 500 V AC |
| [Ue] Rated Operational Voltage | 250 V AC 50/60 Hz for output control relay |
| Signalling Function | Fault indication Voltage indication |
| Control Type | Manual reset Manual test |
| Probe Interchangeability | Label mark A conforming to IEC 60034-11 |
| Hold-In Power Consumption In W | 1 W |
| Hold-In Power Consumption In Va | 2.5 VA |
| Resistance | 1500...1650 Ohm reset 2700...3100 Ohm tripping |
| Number Of Probes | 0...6 |
| Input Voltage | < 2.5 V (1500 Ohm) for probe < 7.5 V (4000 Ohm) for probe conforming to IEC 60034-11 |
| Maximum Short Circuit Detection Resistance | 20 Ohm |
| Condition Of Use | Connection of probes 1000 m >2.5 mm ² Connection of probes 500 m >1.5 mm ² |
| [Uimp] Rated Impulse Withstand Voltage | 2.5 kV |
| Rated Power In Va | 100 VA at 220 V - electrical durability: 500000 cycles |
| Breaking Capacity | 2 A at 24 V DC DC-13 3 A at 250 V AC AC-16 6 A at 120 V AC AC-16 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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|-------------------------|--|
| Connections - Terminals | Power circuit: cage type connector 1 cable(s) 0.75...2.5 mm²flexible with cable end Power circuit: cage type connector 1 cable(s) 0.75...2.5 mm²solid with cable end Power circuit: cage type connector 1 cable(s) 1...2.5 mm²flexible without cable end Power circuit: cage type connector 1 cable(s) 1...2.5 mm²solid without cable end Power circuit: cage type connector 2 cable(s) 0.75...2.5 mm²flexible with cable end Power circuit: cage type connector 2 cable(s) 0.75...2.5 mm²solid with cable end Power circuit: cage type connector 2 cable(s) 1...2.5 mm²flexible without cable end Power circuit: cage type connector 2 cable(s) 1...2.5 mm²solid without cable end |
| Tightening Torque | 0.8 N.m |
| Height | 100 mm |
| Width | 22.5 mm |
| Depth | 100 mm |
| Net Weight | 0.22 kg |

Environment

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|---------------------------------------|---|
| Standards | IEC 60947-8 IEC 60034-11 VDE 0660 |
| Ip Degree Of Protection | IP20 conforming to IEC 60529 IP20 conforming to VDE 0106 |
| Ambient Air Temperature For Operation | -25...60 °C |
| Ambient Air Temperature For Storage | -40...85 °C conforming to IEC 60068-2-2 -40...85 °C conforming to IEC 60068-2-2 |
| Operating Altitude | <= 1500 m without derating in temperature > 1500...3000 m with derating in temperature |
| Vibration Resistance | 1 gn 25...150 Hz conforming to IEC 60068-2-6 2.5 gn 2...25 Hz conforming to IEC 60068-2-6 |
| Shock Resistance | 5 gn 11 ms conforming to IEC 60068-2-27 |
| Electromagnetic Compatibility | Resistance to electrostatic discharge level 3 conforming to IEC 61000-4-2 Resistance to fast transient level 3 conforming to IEC 61000-4-4 Surge resistance 1.2/50-8/20 level 4 conforming to IEC 61000-4-5 Susceptibility to electromagnetic fields level 3 conforming to IEC 61000-4-3 Immunity to microbreaks and voltage drops conforming to IEC 61000-4-11 |

Packing Units

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|------------------------------|----------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 10.3 cm |
| Package 1 Width | 2.6 cm |
| Package 1 Length | 10.3 cm |
| Package 1 Weight | 156.0 g |
| Unit Type Of Package 2 | S02 |
| Number Of Units In Package 2 | 36 |
| Package 2 Height | 15.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 5.977 kg |

Contractual warranty

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|----------|-----------|
| Warranty | 18 months |
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Sustainability



Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

Well-being performance

| | |
|--|---|
|  Mercury Free | |
|  Rohs Exemption Information | Yes |
| Reach Regulation | REACH Declaration |
| Eu Rohs Directive | Compliant with Exemptions |
| 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 |