

Product datasheet

Specifications



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

LT3SM00MW

⚠ Discontinued on: 6 July 2023

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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 U _c
Contacts type and composition	2 C/O multi voltage
[I _{th}] conventional free air thermal current	5 A for output control relay
[U _i] rated insulation voltage	Output control relay: 500 V AC
[U _e] 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
[U _{imp}] 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

Connections - terminals	Power circuit: cage type connector 1 cable(s) 0.75...2.5 mm ² flexible with cable end Power circuit: cage type connector 1 cable(s) 0.75...2.5 mm ² solid with cable end Power circuit: cage type connector 1 cable(s) 1...2.5 mm ² flexible without cable end Power circuit: cage type connector 1 cable(s) 1...2.5 mm ² solid without cable end Power circuit: cage type connector 2 cable(s) 0.75...2.5 mm ² flexible with cable end Power circuit: cage type connector 2 cable(s) 0.75...2.5 mm ² solid with cable end Power circuit: cage type connector 2 cable(s) 1...2.5 mm ² flexible without cable end Power circuit: cage type connector 2 cable(s) 1...2.5 mm ² solid 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

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

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

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](#)

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