

# Product data sheet

Specifications



## Thermistor protection units, TeSys LT3, 250VAC 50/60Hz, 24 to 230VAC/DC, 2OC, automatic reset

LT3SA00MW

⚠ To be discontinued on: 31 August 2023

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### Main

Range of product	LT3
Device short name	LT3SA
Product or component type	Thermistor protection units
[Uc] control circuit voltage	24...230 V AC 50/60 Hz 24...230 V DC
Reset	Automatic reset

### Complementary

Control circuit voltage limits	0.8...1.1 U <sub>c</sub>
Contacts type and composition	2 C/O multi voltage
[I <sub>th</sub> ] conventional free air thermal current	5 A for output control relay
[Ui] rated insulation voltage	Output control relay: 500 V AC
[U <sub>e</sub> ] rated operational voltage	250 V AC 50/60 Hz for output control relay
Signalling function	Fault indication Voltage indication
Control type	Automatic reset
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 400 m >1 mm <sup>2</sup> Connection of probes 500 m >1.5 mm <sup>2</sup>
[U <sub>imp</sub> ] rated impulse withstand voltage	2.5 kV

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

<b>Rated power in VA</b>	100 VA at 220 V - electrical durability: 500000 cycles
<b>Breaking capacity</b>	2 A at 24 V DC DC-13 3 A at 250 V AC AC-16 6 A at 120 V AC AC-16
<b>Connections - terminals</b>	Power circuit: cage type connector 1 cable(s) 0.75...2.5 mm <sup>2</sup> flexible with cable end Power circuit: cage type connector 1 cable(s) 0.75...2.5 mm <sup>2</sup> solid with cable end Power circuit: cage type connector 1 cable(s) 1...2.5 mm <sup>2</sup> flexible without cable end Power circuit: cage type connector 1 cable(s) 1...2.5 mm <sup>2</sup> solid without cable end Power circuit: cage type connector 2 cable(s) 0.75...2.5 mm <sup>2</sup> flexible with cable end Power circuit: cage type connector 2 cable(s) 0.75...2.5 mm <sup>2</sup> solid with cable end Power circuit: cage type connector 2 cable(s) 1...2.5 mm <sup>2</sup> flexible without cable end Power circuit: cage type connector 2 cable(s) 1...2.5 mm <sup>2</sup> solid without cable end
<b>Tightening torque</b>	0.8 N.m
<b>Height</b>	100 mm
<b>Width</b>	22.5 mm
<b>Depth</b>	100 mm
<b>Net weight</b>	0.22 kg

## Environment

<b>Standards</b>	IEC 60947-8 IEC 60034-11 VDE 0660
<b>IP degree of protection</b>	IP20 conforming to IEC 60529 IP20 conforming to VDE 0106
<b>Ambient air temperature for operation</b>	-25...60 °C
<b>Ambient air temperature for storage</b>	-40...85 °C conforming to IEC 60068-2-2 -40...85 °C conforming to IEC 60068-2-2
<b>Operating altitude</b>	<= 1500 m without derating in temperature > 1500...3000 m with derating in temperature
<b>Vibration resistance</b>	1 gn 25...150 Hz conforming to IEC 60068-2-6 2.5 gn 2...25 Hz conforming to IEC 60068-2-6
<b>Shock resistance</b>	5 gn 11 ms conforming to IEC 60068-2-27
<b>Electromagnetic compatibility</b>	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

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	2.5 cm
<b>Package 1 Width</b>	10.3 cm
<b>Package 1 Length</b>	10.3 cm
<b>Package 1 Weight</b>	153.0 g
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	36
<b>Package 2 Height</b>	15.0 cm
<b>Package 2 Width</b>	30.0 cm
<b>Package 2 Length</b>	40.0 cm
<b>Package 2 Weight</b>	5.812 kg

## Offer Sustainability

REACH Regulation [REACH Declaration](#)


<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
<b>RoHS exemption information</b>	Yes
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
<b>California proposition 65</b>	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Contractual warranty

<b>Warranty</b>	18 months
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## Recommended replacement(s)

LT3SA00MW is replaced by:

1x		Harmony, Modular motor voltage and temperature control relay, 5 A , 2 NO, 24..240 V AC/DC RM35TM50MW
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