Product data sheet
Characteristics

LT3SA00M
Thermistor protection units, TeSys LT3, 250VAC 50/60Hz, 115/230VAC 50/60Hz, 1NO +1NC, automatic reset



Commercial status
End of Commercialisation : SEPT 22, 2023

⚠ End of Commercialisation

Main

Range of product	LT3
Device short name	LT3SA
Product or component type	Thermistor protection units
[Uc] control circuit voltage	115/230 V AC 50/60 Hz
Reset	Automatic reset

Complementary

Control circuit voltage limits	0.85...1.1 Uc
Contacts type and composition	1 NC + 1 NO dual 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	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 mm² Connection of probes 500 m >1.5 mm²
[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

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

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	2.500 Cm
Package 1 Width	10.300 Cm
Package 1 Length	10.500 Cm
Package 1 Weight	181.000 G
Unit Type of Package 2	S02
Number of Units in Package 2	36
Package 2 Height	15.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	6.847 Kg

Offer Sustainability

Mercury free	Yes
Sustainable packaging	Yes
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxi
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commerc. - Block

LT3SA00M may be replaced by any of the following products:



RM35TM50MW

3-phase control relay, Harmony Control Relays, 5A , 2NO, phase failure detection, 24..240V AC DC

Qty 1

Substitution date: |