



Main

Range of Product	LT3
Device short name	LT3SM
Product or Component Type	Thermistor protection units
[Uc] control circuit voltage	115...230 V AC 50/60 Hz
Reset	Manual

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 output control relay
[Ui] rated insulation voltage	Output control relay 500 V AC
[Ue] rated operational voltage	250 V AC 50/60 Hz output control relay
Signalling function	Fault indication Voltage indication
Control Type	Manual test Manual reset
Probe interchangeability	Label mark A 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 IEC 60034-11
Maximum short circuit detection resistance	20 Ohm
Condition of use	Connection of probes 3280.84 ft (1000 m) >0.00 in ² (2.5 mm ²) Connection of probes 1640.42 ft (500 m) >0.00 in ² (1.5 mm ²)
[Uimp] rated impulse withstand voltage	2.5 kV
Rated power in VA	100 VA 220 V 500000 cycles
Breaking capacity	2 A 24 V DC DC-13 3 A 250 V AC AC-16 6 A 120 V AC AC-16
Connections - terminals	Power circuit cage type connector 1 0.00...0.00 in ² (0.75...2.5 mm ²)flexible with cable end Power circuit cage type connector 1 0.00...0.00 in ² (0.75...2.5 mm ²)solid with cable end Power circuit cage type connector 1 0.00...0.00 in ² (1...2.5 mm ²)flexible without cable end Power circuit cage type connector 1 0.00...0.00 in ² (1...2.5 mm ²)solid without cable end Power circuit cage type connector 2 0.00...0.00 in ² (0.75...2.5 mm ²)flexible with cable end Power circuit cage type connector 2 0.00...0.00 in ² (0.75...2.5 mm ²)solid with cable end Power circuit cage type connector 2 0.00...0.00 in ² (1...2.5 mm ²)flexible without cable end Power circuit cage type connector 2 0.00...0.00 in ² (1...2.5 mm ²)solid without cable end

Tightening torque	0.8 N.m
Height	3.94 in (100 mm)
Width	0.89 in (22.5 mm)
Depth	3.94 in (100 mm)
Net Weight	0.49 lb(US) (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	-13...140 °F (-25...60 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C) IEC 60068-2-2 -40...185 °F (-40...85 °C) IEC 60068-2-2
Operating altitude	<= 4921.26 ft (1500 m) without derating in temperature > 4921.26...9842.52 ft (> 1500...3000 m) with derating in temperature
Vibration resistance	1 gn 25...150 Hz IEC 60068-2-6 2.5 gn 2...25 Hz IEC 60068-2-6
Shock resistance	5 gn 11 ms IEC 60068-2-27
Electromagnetic compatibility	Resistance to electrostatic discharge level 3 IEC 61000-4-2 Resistance to fast transient level 3 IEC 61000-4-4 Surge resistance 1.2/50-8/20 level 4 IEC 61000-4-5 Susceptibility to electromagnetic fields level 3 IEC 61000-4-3 Immunity to microbreaks and voltage drops IEC 61000-4-11

Ordering and shipping details

Category	22339 - THERMISTER RELAY (LT3)
Discount Schedule	I11
GTIN	3389110699012
Nbr. of units in pkg.	1
Package weight(Lbs)	6.49 oz (184 g)
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	0.98 in (2.5 cm)
Package 1 width	4.06 in (10.3 cm)
Package 1 Length	4.06 in (10.3 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	36
Package 2 Weight	15.71 lb(US) (7.124 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

California proposition 65	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 www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
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Mouser Electronics

Authorized Distributor

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[LT3SM00M](#)