



## Main

Range of product	LT3
Device short name	LT3SA
Product or component type	Thermistor protection units
[Uc] control circuit voltage	24...48 V DC
Reset	Automatic reset

## Complementary

Control circuit voltage limits	0.8...1.25 U <sub>c</sub>
Contacts type and composition	1 NC + 1 NO dual voltage
[I <sub>th</sub> ] conventional free air thermal current	5 A for output control relay
[U <sub>i</sub> ] rated insulation voltage	500 V AC output control relay
System Voltage	250 V AC 50/60 Hz 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
Short circuit detection resistance	< 20 Ohm
Condition of use	Connection of probes 1312.34 ft (400 m) for ≥ 0 in <sup>2</sup> (1 mm <sup>2</sup> ) Connection of probes 1640.42 ft (500 m) for ≥ 0 in <sup>2</sup> (1.5 mm <sup>2</sup> )
[U <sub>imp</sub> ] 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 0...0 in <sup>2</sup> (0.75...2.5 mm <sup>2</sup> ) - cable stiffness: flexible - with cable end Power circuit: cage type connector 1 cable 0...0 in <sup>2</sup> (0.75...2.5 mm <sup>2</sup> ) - cable stiffness: solid - with cable end Power circuit: cage type connector 1 cable 0...0 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: flexible - without cable end Power circuit: cage type connector 1 cable 0...0 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: solid - without cable end Power circuit: cage type connector 2 cable 0...0 in <sup>2</sup> (0.75...2.5 mm <sup>2</sup> ) - cable stiffness: flexible - with cable end Power circuit: cage type connector 2 cable 0...0 in <sup>2</sup> (0.75...2.5 mm <sup>2</sup> ) - cable stiffness: solid - with cable end Power circuit: cage type connector 2 cable 0...0 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: flexible - without cable end Power circuit: cage type connector 2 cable 0...0 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: solid - without cable end
Tightening torque	0.8 N.m
Height	3.94 in (100 mm)

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Width	0.89 in (22.5 mm)
Depth	3.94 in (100 mm)
Product weight	0.49 lb(US) (0.22 kg)

## Environment

standards	IEC 60034-11 VDE 0660
product certifications	LROS (Lloyds register of shipping)
IP degree of protection	IP20 conforming to VDE 0106 IP20 conforming to IEC 60529
ambient air temperature for operation	-13...140 °F (-25...60 °C)
ambient air temperature for storage	-40...185 °F (-40...85 °C) conforming to IEC 60068-2-1 -40...185 °F (-40...85 °C) conforming to 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 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	Immunity to microbreaks and voltage drops conforming to IEC 61000-4-11 Resistance to electrostatic discharge - test level level 3 conforming to IEC 61000-4-2 Resistance to electrostatic discharge - test level level 3 conforming to IEC 61000-4-2 Resistance to fast transient - test level level 3 conforming to IEC 61000-4-4 Surge resistance 1.2/50-8/20 - test level level 4 conforming to IEC 61000-4-5 Susceptibility to electromagnetic fields - test level level 3 conforming to IEC 61000-4-3

## Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0841 - Schneider Electric declaration of conformity	Compliant - since 0841 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer.	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>	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

## Contractual warranty

Warranty period	18 months
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