



Main

Range of product	LT3
Device short name	LT3SA
Product or component type	Thermistor protection units

Complementary

Control circuit voltage	115...230 V AC 50/60 Hz
Control circuit voltage limits	0.85...1.1 U _c
Contacts type and composition	1 NC + 1 NO dual voltage
[I _{th}] conventional free air thermal current	5 A output control relay
[U _i] rated insulation voltage	500 V AC output control relay
[U _e] rated operational voltage	250 V AC 50/60 Hz output control relay
Signalling function	Fault indication Voltage indication
Reset	Automatic reset
Probe interchangeability	Label mark A IEC 60034-11
Hold-in power consumption W	≥ 1 W
Hold-in power consumption VA	< 2,5 VA
Resistance	1500...1650 Ohm reset 2700...3100 Ohm tripping
Number of probes	≤ 6
Input voltage	< 2.5 V 1500 Ohm for probe < 7.5 V IEC 60034-11 4000 Ohm for probe
Short circuit detection resistance	< 20 Ohm
Condition of use	Connection of probes 500 m ≥ 1,5 mm ² Connection of probes 400 m ≥ 1 mm ²
[U _{imp}] rated impulse withstand voltage	2,5 kV
Operational power in VA	100 VA 220 V 500000 cycles
Breaking capacity	2 A DC-13 24 V DC 3 A AC-16 250 V AC 6 A AC-16 120 V AC
Connections - terminals	Cage type connector power circuit 2 0,75...2,5 mm ² flexible with Cage type connector power circuit 1 0,75...2,5 mm ² flexible with Cage type connector power circuit 1 1...2,5 mm ² flexible without Cage type connector power circuit 2 1...2,5 mm ² flexible without Cage type connector power circuit 2 0,75...2,5 mm ² solid with Cage type connector power circuit 1 0,75...2,5 mm ² solid with Cage type connector power circuit 1 1...2,5 mm ² solid without Cage type connector power circuit 2 1...2,5 mm ² solid without
Tightening torque	0,8 N.m
Height	100 mm
Width	22,5 mm
Depth	100 mm
Product weight	0,22 kg

Environment

Standards	IEC 60034-11 VDE 0660
Product certifications	LROS (Lloyds register of shipping)
IP degree of protection	IP20 IEC 60529 IP20 VDE 0106
Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...85 °C IEC 60068-2-1 -40...85 °C IEC 60068-2-2
Operating altitude	> 1500...3000 m with derating in temperature ≤ 1500 m without 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	Immunity to microbreaks and voltage drops IEC 61000-4-11 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
RoHS EUR conformity date	0844
RoHS EUR status	Compliant