



Main

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|------------------------------|-----------------------------|
| 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

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|---|---|
| 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 | 500 V AC output control relay |
| [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 |
| Short circuit detection resistance | < 20 Ohm |
| Condition of use | Connection of probes 400 m for >= 1 mm ² Connection of probes 500 m for >= 1.5 mm ² |
| [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 0.75...2.5 mm ² - cable stiffness: flexible - with cable end Power circuit : cage type connector 1 cable 0.75...2.5 mm ² - cable stiffness: solid - with cable end |

Power circuit : cage type connector 1 cable 1...2.5 mm² - cable stiffness: flexible - without cable end
 Power circuit : cage type connector 1 cable 1...2.5 mm² - cable stiffness: solid - without cable end
 Power circuit : cage type connector 2 cable 0.75...2.5 mm² - cable stiffness: flexible - with cable end
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 Power circuit : cage type connector 2 cable 1...2.5 mm² - cable stiffness: solid - without cable end

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| Tightening torque | 0.8 N.m |
| Height | 100 mm |
| Width | 22.5 mm |
| Depth | 100 mm |
| Product weight | 0.22 kg |

Environment

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|---------------------------------------|---|
| Standards | VDE 0660 IEC 60034-11 |
| 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 | -25...60 °C |
| Ambient air temperature for storage | -40...85 °C conforming to IEC 60068-2-1 -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 | 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 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 |

Contractual warranty

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| Warranty period | 18 months |
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