



### 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 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<br>Voltage indication  |
| Control type                                | Manual reset<br>Manual test   |
| Probe interchangeability                    | Label mark A conforming to IEC 60034-11   |
| Hold-in power consumption in W              | $\geq 1$ W  |
| Hold-in power consumption in VA             | $< 2.5$ VA  |
| Resistance                                  | 1500...1650 Ohm reset<br>2700...3100 Ohm tripping   |
| Number of probes                            | 0...6   |
| Input voltage                               | $< 2.5$ V (1500 Ohm) for probe<br>$< 7.5$ V (4000 Ohm) for probe conforming to IEC 60034-11                             |
| Short circuit detection resistance          | $< 20$ Ohm  |
| Condition of use                            | Connection of probes 1000 m for $\geq 2.5$ mm <sup>2</sup><br>Connection of probes 500 m for $\geq 1.5$ mm <sup>2</sup> |
| [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<br>3 A at 250 V AC AC-16<br>6 A at 120 V AC AC-16  |
| Connections - terminals                     | Power circuit : cage type connector 1 cable 0.75...2.5 mm <sup>2</sup> - cable stiffness: flexible - with cable end     |

Power circuit : cage type connector 1 cable 0.75...2.5 mm<sup>2</sup> - cable stiffness: solid - with cable end  
 Power circuit : cage type connector 1 cable 1...2.5 mm<sup>2</sup> - cable stiffness: flexible - without cable end  
 Power circuit : cage type connector 1 cable 1...2.5 mm<sup>2</sup> - cable stiffness: solid - without cable end  
 Power circuit : cage type connector 2 cable 0.75...2.5 mm<sup>2</sup> - cable stiffness: flexible - with cable end  
 Power circuit : cage type connector 2 cable 0.75...2.5 mm<sup>2</sup> - cable stiffness: solid - with cable end  
 Power circuit : cage type connector 2 cable 1...2.5 mm<sup>2</sup> - cable stiffness: flexible - without cable end  
 Power circuit : cage type connector 2 cable 1...2.5 mm<sup>2</sup> - cable stiffness: solid - without cable end

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

## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | VDE 0660<br>IEC 60034-11  |
| Product certifications                | LROS (Lloyds register of shipping)  |
| IP degree of protection               | IP20 conforming to VDE 0106<br>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<br>-40...85 °C conforming to IEC 60068-2-2  |
| Operating altitude                    | <= 1500 m without derating in temperature<br>> 1500...3000 m with derating in temperature   |
| Vibration resistance                  | 1 gn 25...150 Hz conforming to IEC 60068-2-6<br>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<br>Resistance to electrostatic discharge - test level level 3 conforming to IEC 61000-4-2<br>Resistance to fast transient - test level level 3 conforming to IEC 61000-4-4<br>Surge resistance 1.2/50-8/20 - test level level 4 conforming to IEC 61000-4-5<br>Susceptibility to electromagnetic fields - test level level 3 conforming to IEC 61000-4-3 |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|