

Product data sheet

Characteristics

LT3SM00ED

PTC probe relay TeSys - LT3 with manual reset - 24 V - 1 NO + 1 NC



Main

Range of product	LT3
Device short name	LT3SE
Product or component type	Thermistor protection units
[Uc] control circuit voltage	24...48 V DC
Reset	Manual

Complementary

Control circuit voltage limits	0.8...1.25 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	Output control relay: 500 V AC
[Ue] rated operational voltage	250 V AC 50/60 Hz for output control relay
Signalling function	Fault indication Voltage indication
Control type	Manual test Manual 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
Maximum short circuit detection resistance	20 Ohm
Condition of use	Connection of probes 1000 m >2.5 mm ² Connection of probes 500 m >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(s) 0.75...2.5 mm ² flexible with cable end Power circuit: cage type connector 1 cable(s) 0.75...2.5 mm ² solid with cable end Power circuit: cage type connector 1 cable(s) 1...2.5 mm ² flexible without cable end Power circuit: cage type connector 1 cable(s) 1...2.5 mm ² solid without cable end Power circuit: cage type connector 2 cable(s) 0.75...2.5 mm ² flexible with cable end Power circuit: cage type connector 2 cable(s) 0.75...2.5 mm ² solid with cable end Power circuit: cage type connector 2 cable(s) 1...2.5 mm ² flexible without cable end Power circuit: cage type connector 2 cable(s) 1...2.5 mm ² solid without cable end
Tightening torque	0.8 N.m
Height	100 mm
Width	22.5 mm

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Depth	100 mm
Net weight	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	-25...60 °C
Ambient air temperature for storage	-40...85 °C conforming to IEC 60068-2-2 -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	Resistance to electrostatic discharge level 3 conforming to IEC 61000-4-2 Resistance to fast transient level 3 conforming to IEC 61000-4-4 Surge resistance 1.2/50-8/20 level 4 conforming to IEC 61000-4-5 Susceptibility to electromagnetic fields level 3 conforming to IEC 61000-4-3 Immunity to microbreaks and voltage drops conforming to IEC 61000-4-11

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	145 g
Package 1 Height	2.5 cm
Package 1 width	10.3 cm
Package 1 Length	10.5 cm
Unit Type of Package 2	S02
Number of Units in Package 2	36
Package 2 Weight	5.529 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

REACH Regulation	<input checked="" type="checkbox"/> REACH Declaration
EU RoHS Directive	Compliant <input checked="" type="checkbox"/> EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	<input checked="" type="checkbox"/> Yes
China RoHS Regulation	<input checked="" type="checkbox"/> 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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