

LT3SM00M

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



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 U _c
Contacts type and composition	1 NC + 1 NO dual voltage
[I _{th}] conventional free air thermal current	5 A for 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 for output control relay
Signalling function	Fault indication Voltage indication
Control type	Manual reset Manual test
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 1000 m for >= 2.5 mm ² Connection of probes 500 m for >= 1.5 mm ²
[U _{imp}] 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 mm ² - cable stiffness: flexible - without cable end Power circuit : cage type connector 1 cable 1...2.5 mm ² - cable stiffness: solid - without cable end Power circuit : cage type connector 2 cable 0.75...2.5 mm ² - cable stiffness: flexible - with cable end Power circuit : cage type connector 2 cable 0.75...2.5 mm ² - cable stiffness: solid - with cable end Power circuit : cage type connector 2 cable 1...2.5 mm ² - cable stiffness: flexible -

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance 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.

without cable end
Power circuit : cage type connector 2 cable 1...2.5 mm² - 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	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	-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 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

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0841 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available