Temperature Probe

Temperature probe
ZAC-NTC68S/E/F

Technical Documentation

FEATURES

- Temperature probe.
- 0.5ºC accuracy (@25ºC).
- 0.1ºC measure precision.
- Conformity with CE directives

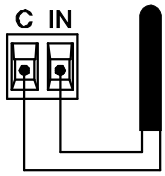
Figure 1: *ZAC-NTC68S/E/F*

GENERAL SPECIFICATIONS – ZAC-NTC68S	
CONCEPT	**DESCRIPTION**
External power supply	No
Operation temperature	from -30ºC to +125ºC
Storage temperature	from -30ºC to +125ºC
Operation humidity	5 to 95% RH (no condensation)
Storage humidity	5 to 95% RH (no condensation)
Complementary characteristics	Class B
Safety class	III
Device action type	Type 1
Type of protection	IP20, clean environment
Weight	21g
NTC Probe Diameter	6mm
Housing	Steel
Thermistor value (@25ºC)	6.8kΩ
Accuracy (@25ºC)	0.5ºC
Temperature measure precision	0.1ºC
Cable cross-section	0.15 mm² - 1.5 mm² (26-16AWG)
NTC Probe length	1.5m (up to 30m)

GENERAL SPECIFICATIONS – ZAC-NTC68F	
CONCEPT	**DESCRIPTION**
External power supply	No
Operation temperature	from -30ºC to +90ºC
Storage temperature	from -30ºC to +90ºC
Operation humidity	5 to 95% RH (no condensation)
Storage humidity	5 to 95% RH (no condensation)
Complementary characteristics	Class B
Safety class	III
Device action type	Type 1
Type of protection	IP20, clean environment
Weight	28g
NTC Probe Diameter	5mm
Housing	Rigid Epoxy Resin
Thermistor value (@25ºC)	6.8kΩ
Accuracy (@25ºC)	0.5ºC
Temperature measure precision	0.1ºC
Cable cross-section	0.15 mm² - 1.5 mm² (26-16AWG)
NTC Probe length	2.3m (up to 30m)

GENERAL SPECIFICATIONS – ZAC-NTC68E	
CONCEPT	**DESCRIPTION**
External power supply	No
Operation temperature	from -30ºC to +90ºC
Storage temperature	from -30ºC to +90ºC
Operation humidity	5 to 95% RH (no condensation)
Storage humidity	5 to 95% RH (no condensation)
Complementary characteristics	Class B
Safety class	III
Device action type	Type 1
Type of protection	IP20, clean environment
Weight	9g
NTC Probe Diameter	5mm
Housing	Epoxy Resin
Thermistor value (@25ºC)	6.8kΩ
Accuracy (@25ºC)	0.5ºC
Temperature measure precision	0.1ºC
Cable cross-section	0.15 mm² - 1.5 mm² (26-16AWG)
NTC Probe length	1.5m (up to 30m)

INPUT CONNECTION



ZAC-NTC68S/E/F can be wired to any input of Zennio products that allow temperature probes

INSTALLATION ADVICES

In order to ensure the best measurement results, keep away from the next external influences:

- Direct sunlight.
- Drafts from windows, doors or ducts.
- Warm or cold structures due to, for example, sunlight, heating or cold water pipes.

The WEEE logo means that this device contains electronic parts and it must be discarded properly following the instructions of http://zennio.com/weee-regulation