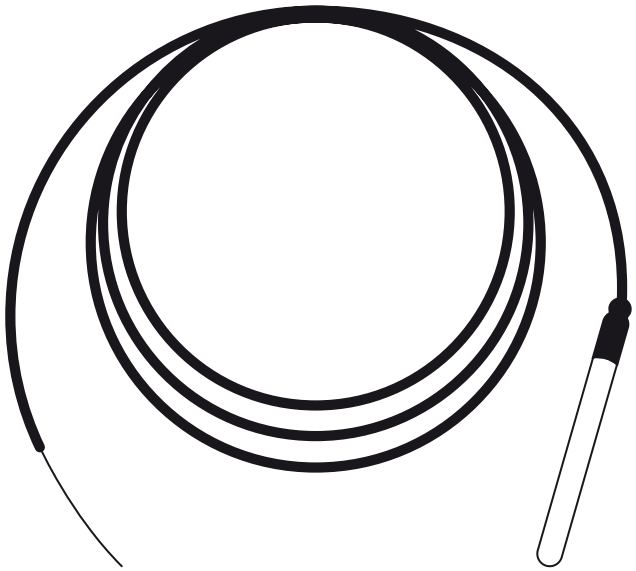
DOMINO TECHNOLOGY

DATASHEET
Rel. 2 | May 2014

SAS TEMP Heat sensor

Device for temperature detection in Automotive System



Description/Application

The temperature probe is a device that, when connected to the controller, provide a resistance value, which is converted to a temperature by the electronic controller. In Automotive System, the temperature probe analyzes the temperature in the protected volume signalling eventual alarms. The configuration parameters, as max temp of allarm and the rate of rise value, are set up in the SAS Central Unit (SAS CU) through the use of the touch screen.

Domino consulting sagl
Technology division

Via Bosia 13 · Paradiso CH 6902
CHE 240 435888

info@dominoconsulting.ch
www.dominoconsulting.ch

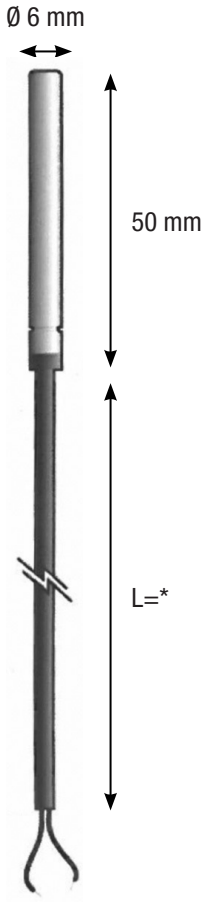
D O M I N O
TECHNOLOGY

SAS TEMP Heat sensor

Technical Specifications	
Length	1,50m (4,92ft)
Weight	0,78 kg (2.1 pound)
Diameter	6mm (0,23 inches)
Probe material	Stainless steel
Sensor element housing	PP/Co with AISI 316 outer cap
Sensor	NTC 10KOhm ± % at 25°C (77°F) Beta 3435
Cable	Two-wire with double sheath, AWG22, tinned copper with electrical resistance ≤ 63 Ohm/km. Insulation: TPE specific for immersion in water on outher sheath, OD 3,5mm max
Connections	Stripped ends, dimensions: 5 ± 1 mm (0,20 ± 0,04 inches)
Index of Protection	IP68
Classification according to protection against electric shock (sensor + cable)	Supplementary insulation for 250Vac
Dissipation factor (in air)	approx. 2,2 mW/°C
Thermal constant over time (in air)	approx. 30s
Category of resistanceto heat and fire	Flame retardant
Operating Range	-50°C a +105°C (-58°F to + 221°F)
Storange Conditions	-50°C a +105°C (-58°F to + 221°F)

Product name	Description
SAS TEMP 100°	Heat Sensor for Automotive System

Dimensions (mm)



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