

## Technical Information

**Model TES.03.06***AUTOMOTIVE Sector***Temperature sensor for room**

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**Description** Temperature sensor RTD PT100 ohm class A for room temperature.  
AISI 316 sheat diameter 6,0 mm with side holes for ventilation, teflon PFA conductor insulation,  
teflon PFA insulation sheath.

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**Sensor Type** RTD PT100 OHM @ 0°C

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**Sensor Number** 1

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**Precision** ½ DIN (class A) according to EN 60751:2008

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**Working Temperature** -40 / +200 °C

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**Short Time Temperature** +220 °C

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**Sensor Sheat** Material: AISI 316  
Diameter: 6,0 mm  
Lenght: 80 mm  
Side holes for ventilation  
Internal insulation: teflon PFA

**\* on request other lenght**

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**Process Connection** Threaded fitting  
Thread: ¼ " NPT male  
Type: sliding  
Material: AISI 316

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**Cable** Diameter: 3,0 mm  
Lenght: 1,00 mt

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**\* on request other lenght**

CONDUCTORS  
number: 2  
section: 0,22 mm<sup>2</sup>  
type: strand  
material: nickel tinned copper  
insulation: teflon PFA

Insulation sheath: teflon PFA  
Internal sheath: none  
External amor: none

COLOURING  
standard: DIN  
conductors: 2xred; white  
sheath: black

**\* on request other colouring**

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<b>Electrical Connection</b>	Bare outlet conductors L = 50 mm
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<b>Laser Marking</b>	Thermo Engineering Logo Thermo Engineering P/N Customer P/N dd/mm/yy production  <b><u>* on request other marking</u></b>
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<b>Tests</b>	Visual Dimensional Room temperature insulation resistance Electrical Continuity  <b><u>* on request other test</u></b>
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<b>Room Temperature Insulation Resistance</b>	According to IEC 1515 resistance > 1GΩ @ 25 °C; between the terminals and the sheath with a test voltage of 500 VDC.
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<b>Response Time</b>	t <sub>50</sub> : 4 sec t <sub>90</sub> : 10 sec
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<b>Certifications</b>	Conformity Certificate Conformity Certificate RoHS 2002/95/CE
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