

Technical Information

Model TES.03.11*AUTOMOTIVE Sector***Temperature sensor for under spark plug**

Description Temperature sensor thermocouple type "K" for under spark plug.
AISI 321 sheat diameter 3,17 mm, mineral oxide insulation, teflon PFA conductor insulation, teflon PFA insulation sheath and inner armor in tinned plated copper.

Sensor Type Thermocouple "K" type hot joint insulated

Sensor Number 1

Precision Class 1 (special) according to EN60584

Working Temperature -40 / +1100 °C

Short Time Temperature +1150 °C

Sensor Sheat Material: AISI 321
Diameter: 3,17 mm
Total lenght: 85 mm
Internal insulation: mineral oxide

*** on request other lenght**

Process Connection Copper ring ø 20 mm thickness 1.5 mm

Cable Diameter: 3,0 mm
Lenght: 0,390 mt

*** on request other lenght**

CONDUCTORS
number: 2
section: 0,22 mm²
type: strand
material: thermocouple "K" type
insulation: teflon PFA

Insulation sheath: teflon PFA
Internal sheath: tinned plated copper
External amor: none

COLOURING
standard: ANSI
conductors: red (+) ; yellow (-)
sheath: yellow

*** on request other colouring**

Electrical Connection Mignon connector 2 contacts male

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