

Technical Information

Model TES.03.05*AUTOMOTIVE Sector***Temperature sensor for brakes purge**

Description Temperature sensor thermocouple type "K" for brakes purge.
Inconel 600 sheath diameter 1,5 mm, mineral oxide insulation, kapton conductor insulation, kapton insulation sheath and outer armor in AISI 304.

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 +1010 °C

Sensor Sheath Material: INCONEL 600
Diameter: 1,5 mm
Lenght: 5 mm
Internal insulation: mineral oxide

*** on request other lenght**

Process Connection M10x1 male fixed threaded fitting
Material: AISI 304

*** on request other fitting**

Cable Diameter: 2,9 mm
Lenght: 0,50 mt

*** on request other lenght**

CONDUCTORS
number: 2
section: 0,50 mm²
type: strand
material: thermocouple "K" type
insulation: kapton

Insulation sheath: kapton
Internal sheath: none
External armor: AISI 304

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

*** on request other colouring**

Electrical Connection	2 contacts mignon male connector
Laser Marking	Thermo Engineering Logo Thermo Engineering P/N Customer P/N dd/mm/yy production * on request other marking
Tests	Visual Dimensional Room temperature insulation resistance Electrical Continuity * on request other test
IP Grade	IP65 according to UNI EN 60529
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.
Response Time	t ₅₀ : 4 sec t ₉₀ : 10 sec
Certifications	Conformity Certificate Conformity Certificate RoHS 2002/95/CE
