

Technical Information

Model TES.02.01AERONAUTIC Sector**Gear-box temperature sensor**

Description Temperature sensor thermocouple “K” type for gear-box.
Sheath AISI 304 diameter 3 mm, insulation mineral oxide, teflon PTF cable sheath.
Electrical connector MS series model D38999/26K, process connection 5/16” 18 UNC male.

Sensor Type TC “K” type hot joint insulated

Sensor Number Single

Precision Class 1 (special) accordo to EN 60584

Working Temperature -40 / +250 °C

Short Time Temperature +290 °C

Sensor Sheath Material: AISI 304
Diameter: 3,0 mm
Lenght: from 22 to 28 mm
Internal insulation: mineral oxide

*** on request other lenght**

Process Connection Threaded joint
Thread: 5/16” – 18UNC – 3A
Type: Sliding with spring system
Material: AISI 316

*** on request other dimensions**

Cable Diameter: 3,6 mm
Lenght: 0,30 mt

*** on request other lenght**

CONDUCTORS
number: 2
electrical section: 0,22 mm²
type: strand
material: termocouple “K” type
insulation: teflon PTFE

Insulation sheath: teflon PTF
Internal Screen: AISI 304

COLORING
standard: ANSI
conductors: red (+) / yellow (-)
sheath: yellow

EXTRA SHEATH PROTECTION
type: Helical Convolex Tubing
material: ETFE
model: Raychem HCTE-0187-0-SP

Electrical Connection	Connector MS series model D38999/26K A98SN * on request other connector type
Laser Marking	Thermo Engineering Logo Thermo Engineering P/N Customer P/N dd/mm/yy di produzione * on request other marking
Test	Visual Dimensional Room temperature insulation resistance Electrical continuity * on request other test available
IP Grade	IP65 in accordo a UNI EN 60529
Insulation Resistance	According to IEC 1515 insulation resistance > 1GΩ @ 25 °C; between 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
