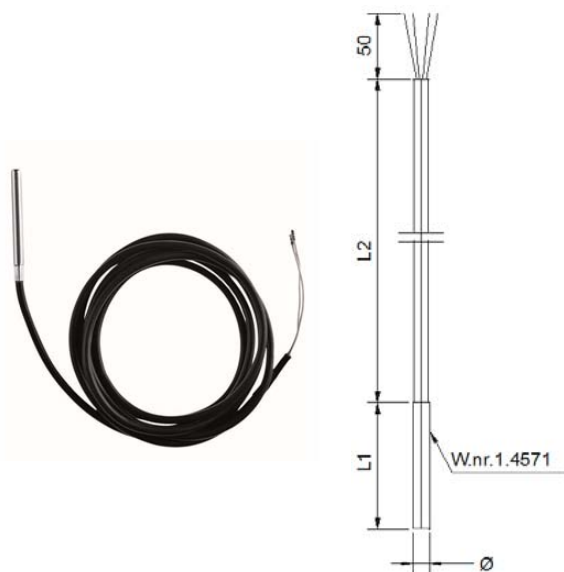


## AC1916-A-T



## BENEFITS

- Resistance thermometer Pt100 in acc. with IEC 60751
- Outer protective sheath: Stainless acid-proof steel
- Withstands vibrations

## APPLICATION

- All-purpose sensor
- For measuring temperatures in air-conditioning and cold storage plants
- For applications that require interchangeable sensors

## TECHNICAL INFORMATION

## MECHANICAL SPECIFICATIONS:

Protective sheath: ----- EN 1.4404  
EN 1.4571 (AISI 316Ti, max. 850°C)

Sensor diameter Ø [mm]: ----- Ø6 mm  
Ø6

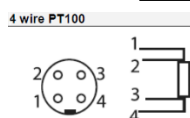
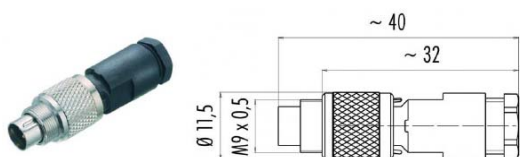
Nominal length L1 [mm]: ----- 60 mm  
60

Process attachment: ----- None  
None

NB. Additional specs.  
- Cable plug connector male, 4-pin 99 0409 00 04

## ELECTRICAL SPECIFICATIONS:

1xPt100	---Sensor element: 1xPt100
4-wire	---Number of conductors: 4-wire
-100/+250°C	---Temperature range min/max: Special
A DIN Tolerance validity range: -30...+300°C	---Tolerance in acc. with IEC 60751: Type A DIN (i.e.±(0,15+0,002xTactual)°C) Type B 1/1 DIN (i.e.±(0,3+0,005xTactual)°C) Type B 1/3 DIN (i.e.±(0,1+0,0017xTactual)°C) Type B 1/6 DIN (i.e.±(0,06+0,00083xTactual)°C) Type B 1/10 DIN (i.e.±(0,03+0,0005xTactual)°C)
TBT	---Electrical connection: Cable type TBT (Teflon-Braided-Teflon)
2 m	---Cable length L2 [m]: 2



## TECHNICAL INFORMATION

<b>Product name</b>	Reference standards: ASTM D 3307; ASTM B33 RTD signal cable Temperature rating: -100 +250 °C
<b>Conductors</b>	Number: 4 Type: Tin plated copper No of strand / strand diameter: 28/0.10 Cross section: 0.22 mm <sup>2</sup> Nominal conductor resistance: 91.6 ohm/Km at 20 °C
<b>Insulation</b>	Hyflon MFA (classification according to ASTM D 3307-01: type VII) Colour code: red, red, white,white Nominal diameter: 1.10 mm (± 0.05)
<b>Core laying-up</b>	Twisting of conductor (No polyester tape)

<b>Screen</b>	Tin plated copper wire braid Wire diameter: 0,10 mm Coverage: 75%
<b>Jacket</b>	Hyflon MFA (classification according to ASTM D 3307-01: type VII) Colour code: Grey
<b>Dimensions</b>	Nominal diameter: 3.80mm (+/-0.2) Net weight: Kg/Km 27,98
<b>Standard tests</b>	Dielectric test core/screen 1000 Vdc Insulation resistance: > 20 Mohm/Km Visual & Dimensional test Continuity test

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