

DATA SHEET

Platinum surface temperature sensor

Description



Performance characteristics

- Long-term stability
- Low self-heating
- Excellent solderability
- Small dimensions
- Very good response time

Applications

- Automotive
- White goods
- Air conditioning and heating technology
- Power generation
- Mechanical and equipment engineering
- Medical and pharmaceutical technology

Article	Article number
Surface temperature sensor Pt100	0364 0014
Surface temperature sensor Pt1000	0364 0014-10

Technical data

Surface temperature sensor	
Sensor	Pt100 / Pt1000
Measuring range	-50...+400 °C
Accuracy	F 0,3 (Cl. B) DIN EN 60751
Temperature coefficient	TK = 3850 ppm/K
Connection wires	Ø 0,25 mm
Connection length	Wire length 10 mm ± 1 mm
Long-term stability	Max. R0-Drift 0,04 % after 1000 h at 400 °C
Environmental conditions	unprotected, to be used in dry conditions only
Response time temperature	Moving water (v = 0,4 m/s) : T0,5 = 0,2 s; T0,9 = 0,3 s; airflow (v = 1 m/s) : T0,5 = 3,0 s; T0,9 = 9,0 s
Measuring current	100 Ω: 0,3...1,0 mA
Dimensions	2,3 x 2,0 x 1,4 mm (0364 0014), 2,3 x 2 x 1,3 mm (0364 0014-10)
Environmental data	RoHS- and REACH conform
We reserve the right to make changes to the technical data in the interest of technological progress!	