



E-MOTOR TEMPERATURE SENSORS

for Automotive, Industrial and Commercial Transport

Temperature sensors monitor the temperature of stator windings in electric motors. TE Connectivity's (TE) NTC thermistors are encased in radial glass and connected to 22 AWG (7/30) wires with high temperature fluoropolymer insulation.

The sensor assembly is protected by dual wall heat shrink or potting to provide a tight, moisture-resistant seal.

TE offers a wide variety of customization options including heatshinks, terminals and connector assembly or integration into rotary sensors.

PRODUCT HIGHLIGHTS

- 10K Ohms Resistance @25°C
- Accuracy $\pm 1\%$ at 100°C
- Robust construction and excellent stability
- Temperature range -40°C to +250°C

PRODUCT OVERVIEW

Product / Solution Name	e-Motor Temperature Sensors
Application Focus	e-Motor
Sensor Type	Temperature

ORDERING INFORMATION

Description	Part Number
Potted version	2369857-1
PTFE/PFA version	2360857-1

E-Motor Temperature Sensors

for the Automotive Industry


SPECIFICATIONS AND BENEFITS

Resistance @ +25°C	9.996 Ω
Resistance @ +100°C	916 Ω
Tolerance @ +100°C	±1%
Beta Value 25/100	3550K
Tolerance on Beta Value	±8%
Dissipation Constant	1.3 mW / °C
Time response from +25°C to +100°C (63.2%)	8 secs max
Operating Temperature	-40°C to +200°C
Operating Temperature Probe Head (20 mm)	-40°C to +250°C

DIMENSIONS

	Drawing Potting Version	Drawing PTFE/PFA Version
Maximum Width	2.4 mm	3.4 mm (±0.4 mm)
Maximum Length	192.5 mm (±5 mm)	239 mm (±0.4 mm)

CONTACT INFORMATION

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