

INTERNATIONAL ELECTROTECHNICAL COMMISSION
COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

IEC 60539-1
Edition 3.0 2016-04

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**DIRECTLY HEATED NEGATIVE TEMPERATURE
COEFFICIENT THERMISTORS –**

Part 1: Generic specification

**THERMISTANCES À COEFFICIENT DE
TEMPÉRATURE
NÉGATIF À CHAUFFAGE DIRECT –**

Partie 1: Spécification générique

CORRIGENDUM 1

Corrections to the French version appear after the English text.

Les corrections à la version française sont données après le texte anglais.

5.12 Thermal time constant by ambient temperature change (τ_a)

Replace with this new subclause 5.12:

5.12 Thermal time constant by ambient temperature change (τ_a)

5.12.1 The hot to cold thermal time constant for ambient temperature change

5.12.1.1 General

The method of test shall be as described below.

5.12.1.2 Initial measurements

The zero-power resistance shall be measured as prescribed in 5.6 at the temperature T_i followed by the same measurement at T_a . The temperature T_i is calculated as follows:

$$T_i = T_b - (T_b - T_a) \times 0,632$$

where

T_b is (273,15 + 85) K, unless otherwise specified in the detail specification;

T_a is (273,15 + 25) K, unless otherwise specified in the detail specification.

Measurements shall be recorded.

5.12.1.3 Preconditioning

The thermistor shall be immersed in a medium with a temperature T_b and allowed to reach the medium temperature.