

INTERNATIONAL STANDARD

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Polymeric thermistors – Directly heated positive step function temperature coefficient –

Part 1-1: Blank detail specification – Current limiting application

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**POLYMERIC THERMISTORS –
DIRECTLY HEATED POSITIVE STEP FUNCTION
TEMPERATURE COEFFICIENT –**

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FOREWORD

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International Standard IEC 62319-1-1 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment.

The text of this standard is based on the following documents:

FDIS	Report on voting
40/1506/FDIS	40/1535/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

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INTRODUCTION

Blank detail specification

A blank detail specification is a supplementary document to the generic specification and contains requirements for style and layout and minimum content of detail specifications. Detail specifications not complying with these requirements shall not be considered as being in accordance with IEC specifications nor shall they so be described.

In the preparation of detail specifications, the content of 4.1 of the generic specification shall be taken into account.

The numbers between brackets on the first page correspond to the following information which shall be inserted in the position indicated.

Identification of the detail specification

- [1] The “International Electrotechnical Commission” or the National Organisation under whose authority the detail specification is drafted.
- [2] The IEC or National Standards number of the detail specification, date of issue and any other information required by the national system.
- [3] The number and issue number of the IEC or national generic specification.
- [4] The IEC number of the blank detail specification.

Identification of the thermistor

- [5] A short description of the type of thermistor.
- [6] Information on typical construction (if applicable).

NOTE When the thermistor is not designed for use on printed boards, this should be stated in the detail specification in this position.

- [7] Outline drawing with main dimensions which are important for the interchangeability and/or reference to the national or international documents for outlines. Alternatively, this drawing may be given in the annex to the detail specification.
- [8] Application or group of applications covered and/or assessment level.
- [9] Reference data on the most important properties, to allow comparison between the various thermistor types.

[1]	IEC 62319-1-1-XXX QC XXXXXX-XXX	[2]
ELECTRONIC COMPONENTS OF ASSESSED QUALITY IN ACCORDANCE WITH: [3]	IEC 62319-1-1 QC XXXXXX	[4]
Outline drawing: (see Table 1) (... angle projection) [7]	POLYMERIC POSITIVE TEMPERATURE COEFFICIENT THERMISTORS FOR CURRENT LIMITING APPLICATION	[5]
		[6]
	Assessment level(s): EZ	[8]
(Other shapes are permitted within the dimensions given)		
NOTE For [1] to [9] see preceding page.		

Information on the availability of components qualified to this detail specification is given in IEC QC 001005.

[9]

1 General data

1.1 Method(s) of mounting (to be inserted)

See 4.9 of IEC 62319-1.

1.2 Dimensions

All dimensions are in millimetres or inches and millimetres; it shall be stated which dimensions are suitable for gauging.

Dimensional drawing(s) shall be given in the detail specification. If necessary, the dimensions may be listed in tabular form with reference to styles or codes.

1.3 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60068, *Environmental testing*

IEC 60410, *Sampling plans and procedures for inspection by attributes*

IEC 62319-1; *Polymeric thermistors – Directly heated positive step function temperature coefficient – Part 1: Generic specification*¹

¹ To be published.