



National Standards Authority of Ireland
Údarás um Chaighdeáin Náisiúnta na hÉireann

IRISH STANDARD

I.S. EN 140101:2008

ICS 31.040.10

**BLANK DETAIL SPECIFICATION: FIXED
LOW POWER FILM RESISTORS**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 140101

March 2008

ICS 31.040.10

Supersedes EN 140101:1996

English version

**Blank Detail Specification:
Fixed low power film resistors**

Spécification particulière:
Résistances fixes à couche
et à faible dissipation

Vordruck für die Bauartspezifikation:
Schicht-Festwiderstände
niedriger Belastbarkeit

This European Standard was approved by CENELEC on 2007-11-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 40XB, Resistors.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 140101 on 2007-11-01.

This European Standard supersedes EN 140101:1996.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2008-11-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2010-11-01

Preceding documents on the subject covered by this specification have been:

- CECC 40 101:1981.

Compared to the superseded standard, the following changes have been implemented:

- modification of the title;
- introduction of a test on the resistance to electrostatic discharge (ESD) in 1.6 and in Annex A;
- introduction of description and test methods for lead-free soldering in 1.9.3 and in Annex A;
- introduction of code letters for the temperature coefficient (TCR) as in EN 60062;
- revision of ordering information in 1.8.4;
- adoption of the IECQ rules of procedure, IEC QC 001002-3;
- revision of the sample quantities and the sequence of tests in Annex A;
- editorial revision.

This specification supports the building of a series of documents describing fixed low power film resistors as follows:

- EN 60115-1 Fixed resistors for use in electronic equipment – Part 1: Generic specification (IEC 60115-1, mod.)
 - EN 140100 Sectional specification: Fixed low power film resistors
 - EN 140101-xxx Relevant detail specification(s) written on the basis of this Blank Detail Specification.
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Introduction

Blank Detail Specification

A Blank Detail Specification is a supplementary document to the sectional 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 European standards nor shall they be so described.

In the preparation of the detail specification the content of EN 140100:2008, 1.2 shall be taken into account.

The detail specification should be written by using the preferred values given in EN 140100.

The detail specification should contain a table of contents prior the first page of the actual specification. For the use of SI units refer to ISO 1000, for the use of letter symbols to be used in electrical technology refer to EN 60027-1.

Notes in this document shall be considered as guidance and are not part of the detail specification itself.

Identification of the detail specification and the component

The first page of the detail specification should have the layout recommended on page 5.

The numbers in square brackets correspond to the indications to be completed thereunder:

- [1] the name of the National Standards Organisation under whose authority the detail specification is published, and if applicable, the organisation from whom the detail specification is available;
- [2] the CECC symbol and the number allocated to the detail specification by the CENELEC General Secretariat;
- [3] the number and issue number of the EN generic and sectional specification as relevant; also national reference if different;
- [4] the national number of the detail specification, date of issue and any further information required by the national system, together with any amendment numbers, if different from the EN number;
- [5] a brief description of the component or range of components;
- [6] information on typical construction (where applicable);
- [7] an outline drawing with the main dimensions which are of importance for interchangeability and/or reference to the appropriate national or international document for outlines. Alternatively, this drawing may be given in an annex to the detail specification;
- [8] the level of quality assessment covered by the detail specification.

For [5] and [6] the text to be given in the detail specification should be suitable for an entry in a register of approvals and the “CENELEC Catalogue of European Standards”.

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