



SLOVENSKI STANDARD
SIST EN 150011:2002
01-september-2002

Blank detail specification: Case-rated thyristor

Blank Detail Specification: Case-rated thyristors

Vordruck für Bauartspezifikation: Gehäusebezogene Thyristoren

Spécification particulière cadre Thyristors à température de boîtier spécifiée

Ta slovenski standard je istoveten z: EN 150011:1991

[SIST EN 150011:2002](https://standards.iteh.ai/catalog/standards/sist/073efaed-ac92-41f6-b41e-ab8fa8952476/sist-en-150011-2002)

<https://standards.iteh.ai/catalog/standards/sist/073efaed-ac92-41f6-b41e-ab8fa8952476/sist-en-150011-2002>

ICS:

31.080.20 Tiristorji Thyristors

SIST EN 150011:2002 **en**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 150011:2002](#)

<https://standards.iteh.ai/catalog/standards/sist/073efaed-ac92-41f6-b41e-ab8fa8952476/sist-en-150011-2002>

EUROPEAN STANDARD
 NORME EUROPÉENNE
 EUROPÄISCHE NORM

EN 150011

December 1991

UDC:

Descriptors: Quality, electronic components, thyristors

English version

Blank Detail Specification: Case-rated thyristors

Spécification Particulière Cadre:
 Thyristors à température de boîtier spécifiée

Vordruck für Bauartspezifikation:
 Gehäusebezogene Thyristoren

iTeh STANDARD PREVIEW (standards.iteh.ai)

This European Standard was approved by the CENELEC Electronic Components Committee (CECC) on 25 November 1991. The text of this standard consists of the text of CECC 50011 Issue 3 1982 of the corresponding CECC Specification. CENELEC members are bound to comply with 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 General Secretariat of the CECC 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 CECC General Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and United Kingdom. The membership of the CECC is identical, with the exception of the national electrotechnical committees of Greece, Iceland and Luxembourg.

CECC

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

Central Secretariat: rue de Stassart 35, B-1050 Brussels

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 150011:2002

<https://standards.iteh.ai/catalog/standards/sist/073efaed-ac92-41f6-b41e-ab8fa8952476/sist-en-150011-2002>

European Committee for Electrotechnical Standardization (CENELEC)
Cenelec Electronic Components Committee

CECC

English version

Harmonized System of Quality Assessment for
Electronic Components

BLANK DETAIL SPECIFICATION:

**CASE-RATED
THYRISTORS**

ITeH STANDARD PREVIEW

Système Harmonisé d'Assurance de la Qualité
des Composants Electroniques

SPECIFICATION PARTICULIERE CADRE:

**THYRISTORS
A TEMPERATURE
DE BOITIER SPECIFIEE**

Harmonisiertes Gütebestätigungssystem für
Bauelemente der Elektronik

VORDRUCK FÜR
BAUARTSPEZIFIKATION:

**GEHÄUSE-BEZOGENE
THYRISTOREN**



3 Edition
Issue
Ausgabe

CECC 50011

1982

RECORD OF AMENDMENTS
 ENREGISTREMENT DES MODIFICATIONS
 VERZEICHNIS DER ÄNDERUNGEN



Amendment No. Modification No. Änderung Nr.	Date of issue Date d'édition Ausgabedatum	Pages affected Pages concernées Betroffene seiten	Effective date Mise en application Gültig ab	Entry - Effectuee - Eintragung	
				Date-Le-Datum by	Whom-Par-Durch
<p>iTeh STANDARD PREVIEW (standards.iteh.ai)</p> <p>SIST EN 150011:2002 https://standards.iteh.ai/catalog/standards/sist/073efaed-ac92-41f6-b41e-ab8fa8952476/sist-en-150011-2002</p>					

Contents

	Page
Foreword	iv
1 Mechanical description	2
2 Electrical application	2
3 Levels of quality assessment	2
4 Limiting values	2
5 Electrical characteristics	3
6 Marking	4
7 Ordering information	4
8 Test conditions and quality assessment	5
9 Additional information	10
Figure 1 — Current derating curve for a thyristor	3
Table A	6
Table B	7
Table C	8
Table D	9

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN 150011:2002](https://standards.iteh.ai/catalog/standards/sist/073efaed-ac92-41f6-b41e-ab8fa8952476/sist-en-150011-2002)

<https://standards.iteh.ai/catalog/standards/sist/073efaed-ac92-41f6-b41e-ab8fa8952476/sist-en-150011-2002>

Foreword

The CENELEC Electronic Components Committee (CECC) is composed of those member countries of the European Committee for Electrotechnical Standardization (CENELEC) who wish to take part in a harmonized System for electronic components of assessed quality.

The object of the System is to facilitate international trade by the harmonization of the specifications and quality assessment procedures for electronic components, and by the grant of an internationally recognized Mark, or Certificate, of Conformity. The components produced under the System are thereby accepted by all member countries without further testing.

This document has been formally approved by the CECC, and has been prepared for those countries taking part in the System who wish to issue national harmonized specifications for CASE-RATED THYRISTORS. It should be read in conjunction with document CECC 00100: Basic Rules (1974).

Preface

This blank detail specification was prepared by CECC Working Group 7: "RECTIFIER DIODES AND THYRISTORS". It is one of a series of blank detail specifications for discrete semiconductor devices, based on the generic specification CECC 50000.

This Issue 3 supersedes Issue 1 of 1977 and Issue 2 of 1980, the most important changes being:

- 1) the addition of a Sub-Group A2a to check non-operative devices, which became obligatory in all existing detail specifications on 1 January 1981
- 2) the addition of requirements for controlled avalanche diodes
- 3) the addition of clauses 6, 7 and 9.

Implementation

All qualifications approved to Issue 1 and Issue 2 remain technically valid, as well as all detail specifications prepared in accordance with Issue 1 and Issue 2 even if they are not completely in agreement with items 2) and 3) above.

However, all detail specifications issued in accordance with Issue 1 before 1 January 1981 shall be amended to conform with item 1) and their issue number raised by one using any suitable means.

Issue 1 and Issue 2 will be withdrawn on 1 January 1983

Lay-out

It is recognized that the lay-out proposed cannot be applied to all detail specifications based on this document. For instance, it may be preferable to indicate the limiting values in the form of a table when several similar devices appear in the same detail specification.

Voting

The text of this revised blank detail specification was circulated to the CECC for voting in the document indicated below, and was ratified by the President of the CECC for printing as a CECC specification.

Document	Voting date	Report on the Voting
CECC(Secretariat)925	February 1980	CECC(Secretariat)1017

Key for page 2

The numbers in square brackets on page 2 correspond to the following indications which shall be given:

Identification of the detail specification

[1] The name of the National Standards Organization under whose authority the detail specification (DS) is published and, if applicable, the organization from whom the DS is available.

[2] The CECC symbol and the number allotted to the DS by the CECC General Secretariat.

[3] The number and issue number of the CECC generic or sectional specification as relevant; also national reference if different.

[4] If different from the CECC number, the national number of the detail specification, date of issue and any further informations required by the national system, together with any amendment numbers.

Identification of the component

[5] A short description of the type of component.

[6] Information on typical construction (where applicable).

[7] Outline drawing and/or reference to the relevant document for outlines.

[8] Application or group of applications covered and quality assessment levels.

[9] Reference data on the most important properties, to allow comparison between the various component types.

For [5] and [6] the text given should be suitable for an entry in CECC 00200 or CECC 00300.

iTeh STANDARD PREVIEW **(standards.iteh.ai)**

SIST EN 150011:2002

<https://standards.iteh.ai/catalog/standards/sist/073efaed-ac92-41f6-b41e-ab8fa8952476/sist-en-150011-2002>