



SLOVENSKI STANDARD
SIST EN 132401:1994

01-oktober-2003

Blank Detail Specification: Fixed capacitors for electromagnetic interference suppression and connection to the supply mains (Assessment level D)

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Vordruck für Bauartspezifikation: Festkondensatoren zur Unterdrückung elektromagnetischer Störungen, geeignet für Netzbetrieb (Gütebestätigungsstufe D)

Spécification particulière cadre: Condensateurs fixes d'antiparasitage et raccordement à l'alimentation (Niveau d'assurance D)

<https://standards.iteh.ai/catalog/standards/sist/016e6030-d5d9-4fbd-8324-7cac6be4eef1/sist-en-132401-1994>

Ta slovenski standard je istoveten z: EN 132401:1994

ICS:

31.060.10 Fiksni kondenzatorji Fixed capacitors

SIST EN 132401:1994

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 132 401

June 1994

UDC

Supersedes CECC 32 401 Issue 1: 19892

Descriptors: Quality, electronic components, capacitors

English version

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This European Standard was approved by the CENELEC Electronic Components Committee (CECC) on 21 November 1993. 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

CENELEC Electronic Components Committee

Comité des Composants Electroniques du CENELEC

CENELEC- Komitee für Bauelemente der Elektronik

General Secretariat: Gartenstr. 179, W- 6000 Frankfurt/Main 70

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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 acceptable in all member countries without further testing.

This European Standard was prepared by CECC WG 3, Capacitors.

The text of the draft based on document CECC 32 401 was submitted to the formal vote; together with the voting report, circulated as document CECC(Sec)3459, it was approved by CECC as EN 132 401 on 21 November 1993.

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The following dates were fixed: **(standards.iteh.ai)**

- latest date of announcement of the [SIST EN 132401:1994](https://standards.iteh.ai/catalog/standards/sist/016e6030-d5d9-4fbd-8324-7cac6be4eef1/sist-en-132401-1994) (doa) 1993-12-26
EN at national level
- latest date of publication of an identical national standard (dop) 1994-06-26
- latest date of withdrawal of conflicting national standards (dow) 1995-06-26

FOREWORD

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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 acceptable in all member countries without further testing.

This specification 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 Fixed Capacitors for Electromagnetic Interference Suppression (Radio Interference Suppression) and Connection to the Supply Mains. Assessment Level D. It should be read in conjunction with the current regulations for the CECC System.

At the date of printing of this specification, the member countries of the CECC are Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom, and copies of it can be obtained from the addresses shown on the blue fly sheet.

PREFACE**iTeh STANDARD PREVIEW**

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This specification was prepared by CECC WG3. "Capacitors".

It is based, wherever possible, on the Publications of the International Electrotechnical Commission, and in particular on IEC 384-14-1 Issue 2: Blank detail specification: Fixed Capacitors for Electromagnetic Interference Suppression (Radio Interference Suppression) and Connection to the Supply Mains. Assessment Level D.

The text of this specification was circulated to the CECC for voting in the document(s) indicated below and was ratified by the President of the CECC for printing as a CECC Specification.

<u>Document</u>	<u>Date of Voting</u>	<u>Report on the Voting</u>
CECC(Secretariat)2352	April 1989	CECC(Secretariat)2591
CECC(Secretariat)2690	February 1991	CECC(Secretariat)2876

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. In the preparation of detail specifications the content of 1.4 of the sectional specification shall be taken into account.

Identification of the detail specification and of the component

The first page of the detail specification should have the layout recommended on page 3 of this blank detail specification. The numbers between the brackets correspond to the following information which shall be inserted at the position indicated:

- [1] The name of the National Standards Organization under whose authority the detail specification is published and, if applicable, the organization from whom the detail specification is available
- [2] The CECC symbol and the number allotted to the detail specification 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 information required by the national system, together with any amendment numbers
- [5] A brief description of the component or range of components
- [6] Information on typical construction (when applicable).

For [5] and [6] the text to be given in the detail specification should be suitable for an entry in CECC 00 200 (QPL) and CECC 00 300 (Library List)

- [7] Outline drawing with main dimensions which are of importance for interchangeability and/or reference to the appropriate national or international documents for outlines. Alternatively the drawing may be given in an annex to the detail specification, but [7] should always contain an illustration of the general outer appearance of the component
- [8] The level(s) of quality assessment covered by the detail specification, as appropriate
- [9] Reference data giving information on the most important properties of the component which allow comparison between the various component types intended for the same, or for similar applications.

SECTION ONE - GENERAL DATA

1.1 Method of mounting for vibration and bump or shock tests

(See 1.4.2 of the sectional specification)

1.2 Dimensions

TABLE 1

Case size reference	Dimensions (in mm)						
	L ₁	W	H	L ₂	L ₃	L ₄	...

Notes 1 - When there is no case size reference, Table 1 may be omitted and the dimensions shall be given in Table 2, which then becomes Table 1.

2 - The dimensions shall be given as maximum dimensions or as nominal dimensions with a tolerance.

1.3

Ratings and characteristics

<https://standards.iteh.ai/catalog/standards/sist/016e6030-d5d9-4fbd-8324-7cac6be4eef1/sist-en-132401-1994>

Capacitance range (see Table 2)

Tolerance on rated capacitance

Rated voltage (see Table 2)

Climatic category

Rated temperature

Tangent of loss angle

Insulation resistance

TABLE 2

Values of capacitance related to voltages and case sizes

Rated voltage				
	Case size	Case size	Case size	Case size
Rated capacitance (in pF and/or nF)				

1.4 Related documents

Generic specification: CECC 30 000 Issue 3: Fixed capacitors

Sectional specification: CECC 32 400 Issue 1: Fixed capacitors for electromagnetic interference suppression (radio interference suppression) and connection to the supply mains.

1.5 Marking

The marking of the capacitor, if any, and the packing shall be in accordance with 1.6 of the sectional specification.

Note - The details of the marking of the component and packing shall be given in full in the detail specification.

1.6 Ordering information

Orders for capacitors covered by this specification shall contain, in clear or in coded form, the following information:

- a) Rated capacitance
- b) Tolerance on rated capacitance
- c) Rated voltage
- d) Manufacturer's type designation
- e) Number and issue reference of the detail specification and style reference.

1.7 Certified records of released lots

Required/not required.

1.8 Additional information (not for inspection purposes)

1.9 Additional or increased severities or requirements to those specified in the generic and/or sectional specification

Note - Additional or increased requirements should be specified only when essential.

**TABLE 3
OTHER CHARACTERISTICS**

<p>This table is to be used for defining characteristics which are additional to or more severe than those given in the sectional specification.</p>
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