



SLOVENSKI STANDARD

SIST EN 134103:2002

01-september-2002

Blank detail specification: Vane type air dielectric capacitor (Qualification approval)

Blank Detail Specification: Vane type air dielectric capacitor (Qualification approval)

Vordruck für Bauartspezifikation: Plattenkondensatoren mit Luft als Dielektrikum (Bauartanerkennung)

Spécification particulière cadre: Condensateurs diélectriques à air de type à lame (Homologation)

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Ta slovenski standard je istoveten z: **EN 134103:1995**

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ICS:

31.060.99 Drugi kondenzatorji Other capacitors

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en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 134103

August 1995

Descriptors: Quality, electronic components, capacitors

CECC 4K3

English version

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This European Standard was approved on 1993-07-29. 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.

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CENELEC

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

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

Foreword

This European Standard was prepared by Working Group CLC/TC CECC/WG 3.

It is based, wherever possible, on the Publications of the International Electrotechnical Commission, and in particular on IEC 418, Variable capacitors.

The text of the draft based on document CECC(Secretariat)3099 was submitted to the formal vote; together with the voting report, circulated as document CECC(Secretariat)3380, it was approved as EN 134103 on 1993-07-29.

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) 1995-11-30
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2003-11-30

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IDENTIFICATION OF THE DETAIL SPECIFICATION AND THE COMPONENT

The first page of the detail specification should have the layout recommended on the next page of this blank detail specification. The numbers in square 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 number allotted to the detail specification by the CECC General Secretariat
- [3] The number and issue number of the CECC generic and 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 (Register of Approvals) and CECC 00 300 (Library List).

- [7] An outline drawing with main dimensions which are of importance for interchangeability and/or reference to the appropriate national or international document 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
- [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.

RECOMMENDED LAYOUT FOR THE FIRST PAGE OF A DETAIL SPECIFICATION

Specification available from: [1]	CECC 34 103-... [2]
ELECTRONIC COMPONENTS OF ASSESSED QUALITY - DETAIL SPECIFICATION IN ACCORDANCE WITH: [3]	[4]
Outline and dimensions: (first angle projection) [7]	VARIABLE CAPACITOR: VANE TYPE AIR DIELECTRIC CAPACITOR [5]
	TYPICAL CONSTRUCTION: [6]
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	ASSESSMENT LEVEL: E [8]

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[https://standards.iteh.ai/catalog/standards/sist/3d1ed500-ee6c-4f16-9984-](https://standards.iteh.ai/catalog/standards/sist/3d1ed500-ee6c-4f16-9984-4ff66be0f2fsist.en-134103-2002)[4ff66be0f2fsist.en-134103-2002](https://standards.iteh.ai/catalog/standards/sist/3d1ed500-ee6c-4f16-9984-4ff66be0f2fsist.en-134103-2002)

QUICK REFERENCE DATA: Rated maximum capacitance range, rated minimum capacitance range, d.c. rated voltage range, climatic category, temperature coefficient of capacitance [9]

Information about manufacturers who have components qualified to this detail specification is available in the current CECC 00 200: Register of Firms, Products and Services Approved under the CECC System (Register of Approvals).

1 - GENERAL DATA

1.1 Methods of mounting

See 1.3.2 of EN 134 100.

1.2 Dimensions

TABLE 1

Case size reference	Dimensions (in mm)						
	L	W	H	D	d

NOTES -

- When there is only one case size reference, Table 1 may be omitted and the dimensions given in the outline drawing.
- The dimensions shall be given as maximum dimensions or as nominal dimensions with a tolerance.

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1.3 Ratings and characteristics

<https://standards.iteh.ai/catalog/standards/sist/3d1ed500-ec6c-4f16-9984-4ffc6be0f2f/sist-en-134103-2002>

Maximum capacitance range	(see Table 2)
Minimum capacitance range	(see Table 2)
Capacitance law (if applicable)	
Rated voltage	(see Table 2)
Climatic category	
Rated temperature	
Insulation resistance	
Temperature coefficient of capacitance	$\alpha: \dots 10^{-6}/^{\circ}\text{C}$
Operating torque	
Locking torque (if applicable)	
Capacitance drift after setting	

TABLE 2

Capacitance Values and Ratings

Manufact- urer's Type No	Min cap (max) pF	Max cap (min) pF	Cap swing pF	Temp coeff $10^{-6}/^{\circ}\text{C}$	Rated voltage V d.c.	Proof voltage V d.c.	Colour code

1.4 Related documents

Generic specification : EN 134 000
Sectional specification : EN 134 100

1.5 Marking

The marking of the capacitor, if any, and the packing shall be in accordance with 1.5 of EN 134 100.

NOTE - The details of the marking of the component and packing shall be given in full in the detail specification. [SIST EN 134103:2002](https://standards.iteh.ai/catalog/standards/sist/3d1ed500-ee6c-4f16-9984-4fffc6be0f2f/sist-en-134103-2002)

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1.6 Ordering information

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

- (1) Manufacturer's type number
- (2) Rated voltage
- (3) Rated minimum and maximum capacitance
- (4) Number and issue reference of the detail specification.

1.7 Certified test 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

This table is to be used for defining characteristics which are additional to or more severe than those given in the sectional specification
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2 - INSPECTION REQUIREMENTS

2.1 Procedures

2.1.1 For Qualification Approval procedures shall be in accordance with 3.4 of EN 134 100.

2.1.2 For Quality Conformance Inspection the test schedule (Table 4) includes sampling, periodicity, severities and requirements. The formation of inspection lots is covered by 3.5.1 of EN 134 100.

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