SLOVENSKI STANDARD
SIST EN 130502:2002

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Blank detail specification: Fixed metallized polycarbonate film dielectric capacitors for direct current - Assessment level EZ

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Vordruck für Bauartspezifikationen: Kunststoffolien-MKC-Kondensatoren für Gleichspannungsanwendungen - Qualitätsbewertungsstufe EZ

Spécification particulière cadre: Condensateurs fixes à diélectrique en film de polycarbonate métallisé pour courant continu - Niveau d'assurance de qualité EZ

Ta slovenski standard je istoveten z: **EN 130502:1998**

ICS:

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EUROPEAN STANDARD

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English version

Blank Detail Specification: Fixed metallized polycarbonate film dielectric capacitors for direct current Assessment level EZ

Spécification particulière cadre: Condensateurs fixes à diélectrique en film de polycarbonate métallisé pour courant continu Niveau d'assurance de qualité EZ

Vordruck für Bauartspezifikation: Gleichspannungs-Festkondensatoren mit metallisierten Polycarbonatfolien als Dielektrikum (MKC) Gütebestätigungsstufe EZ

This European Standard was approved by CENELEC on 1992-10-14. 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

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Foreword

At the request of CLC/TC CECC/SC 40XA (former WG 3), the text of CECC 30 501:1989, Issue 2, with its amendments A1 and A2 and documents CECC(Secretariat)3063 and 3071, was submitted to the formal vote for conversion into a European Standard.

The text of the draft, together with the voting report, circulated as document CECC(Secretariat)3210, was approved as EN 130501 on 1992-10-14. Based on the positive voting results on prAB to EN 130800, assessment level EZ was accepted as a separate Blank Detail Specification and approved as EN 130502 on 1997-03-11.

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) 1998-10-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1998-10-01

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Identification of the detail specification (DS) and the component

The first page of the DS should have the following recommended layout. The numbers in square brackets correspond to the indications to be completed thereunder:

[1] The name of the National Standards Organization under whose authority the 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 and sectional specification as relevant; also national reference if different.

[4] If different from the CECC number, the national number of the DS, 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 (where applicable), e.g. type of dielectric, method of connection.

For [5] and [6] the text to be given in the DS should be suitable for an entry in the Register of national documents implementing CECC publications and CECC European Standards, CECC 00200, and the firms, products and services approved under the CECC system (Register of approvals), CECC 00300.

[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, this drawing may be given in an annex to the DS, 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 DS.

[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.

Specification available from: [1] (National Standards Organization)	CECC number and mark [2]
ELECTRONIC COMPONENTS OF ASSESSED QUALITY - DETAIL SPECIFICATION IN ACCORDANCE WITH: [3] (Number of generic and sectional specifications)	(Number of detail specification, date of issue, type number, if any) [4]
Outline and dimensions: (first angle projection) [7]	DETAIL SPECIFICATION FOR FIXED METALLIZED POLYCARBONATE FILM DIELECTRIC, D.C. CAPACITORS [5]
	TYPICAL CONSTRUCTION: [6] (Examples) cylindrical/rectangular non-metallic/metallic case insulated/non-insulated axial/radial terminations
(Other shapes are permitted within the dimensions given)	Assessment level EZ [8]

QUICK REFERENCE DATA: Rated capacitance range, capacitance tolerance, d.c. rated voltage range, climatic category, performance grade. [9]

Information about manufacturers who have components qualified to this detail specification is available in the current Register of firms, products and services approved under the CECC system (Register of approvals) CECC 00200.

1 General data

1.1 Method of mounting for vibration and bump or shock tests

The method shall be specified in the detail specification.

See 1.3.3 of EN 130500:1998.

1.2 Dimensions

Dimensions shall be specified in table 1, unless there is no case size reference, when table 1 may be omitted and the dimensions shall be given in table 2, which then becomes table 1.

Table 1: Dimensions

Case size reference	Dimensions[1] mm							
	∅	*L*	*H*	*d*	.....[2]			

[1] The dimensions shall be given as maximum dimensions or as nominal dimensions with a tolerance.

[2] Other important dimensions should be included as additional information:

1.3 Ratings and characteristics

The following ratings and characteristics shall be specified in the DS:

- Capacitance range (see table 2)
- Tolerance on rated capacitance
- Rated voltage (see table 2)
- Category voltage (if applicable) (see table 2)
- Climatic category
- Rated temperature
- Maximum a.c. voltage (if applicable)
- Maximum pulse load
- Tangent of loss angle
- Insulation resistance

Table 2: Values of capacitance related to voltages and case sizes

Rated voltage				
Category voltage [1)]				
	Case size	Case size	Case size	Case size
Rated capacitance (in nF and/or µF)				
[1)] If different from the rated voltage.				

1.4 Related documents

Generic specification: EN 130000

Sectional specification: EN 130500

1.5 Marking

The marking of the capacitor and the packing shall be in accordance with 1.5 of EN 130500:1998.

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 minimum information:

a) rated capacitance;

b) tolerance on rated capacitance;

c) rated d.c. voltage;

d) number and issue reference of the detail specification and style reference;

e) packaging (bulk or taped, if taped, according to IEC 60286-2).