

Förderverein für Elektrotechnische Normung (FEN) e. V.
Cenelec Electronic Components Committee

CECC

Système Harmonisé d'Assurance de la Qualité
des Composants Electroniques

SPECIFICATION PARTICULIERE:
CONDENSATEURS ELECTROLYTIQUES
A L'ALUMINIUM A ELECTROLYTE
NON SOLIDE

Harmonized System of Quality Assessment for
Electronic Components

DETAIL SPECIFICATION:
ALUMINIUM ELECTROLYTIC
CAPACITORS WITH NON-SOLID
ELECTROLYTE

Harmonisiertes Gütebestätigungssystem für
Bauelemente der Elektronik

BAUARTSPEZIFIKATION:
ALUMINIUM-ELEKTROLYT-
KONDENSATOREN MIT FLÜSSIGEM
ELEKTROLYTEN



1

Edition
Issue
Ausgabe

CECC 30301-805

1988

Cette page bleue doit être insérée après la page de garde de la CECC 30 301-805 Edition 1 (1988)

AMENDEMENT 1 A LA CECC 30 301-805:

SPECIFICATION PARTICULIERE:

CONDENSATEURS ELECTROLYTIQUES A L'ALUMINIUM A ELECTROLYTE NON SOLIDE

Supprimer les pages 2/3 et insérer les nouvelles pages 2/3.

Enregistrer cette modification sur la feuille jaune
"Enregistrement des modifications".

Le texte de cette modification a été soumis au vote du CECC dans le document indiqué ci-dessous et a été ratifié par le Président du CECC pour être publié.

Document: CECC(Secrétariat)2491
Date de vote: Février 1990
Rapport de vote: CECC(Secrétariat)2653

CECC 30 301-805 Edition 1 Amendement 1 (1991)

This blue page should be inserted after the title page of
CECC 30 301-805 Issue 1 (1988)

AMENDMENT 1 TO CECC 30 301-805:

DETAIL SPECIFICATION:

ALUMINIUM ELECTROLYTIC CAPACITORS WITH NON-SOLID ELECTROLYTE

Remove pages 2/3 and insert the new pages 2/3.
(The title of clause 1.1 has been deleted and the new title inserted).

Enter this amendment on the yellow "Record of amendments" sheet.

The text of this amendment was circulated to the CECC for voting in the document indicated below and was ratified by the President of the CECC for publication.

<u>Document:</u>	CECC(Secretariat)2491
<u>Date of voting:</u>	February 1990
Report on the voting:	CECC(Secretariat)2653

CECC 30 301-805 Issue 1 Amendment 1 (1991)

Dieses blaue Blatt ist nach dem Titelblatt der
CECC 30 301-805 Ausgabe 1 (1988) einzufügen

ÄNDERUNG 1 ZU CECC 30 301-805:

BAUARTSPEZIFIKATION:

**ALUMINIUM-ELEKTROLYT-
KONDENSATOREN MIT FLÜSSIGEM
ELEKTROLYTEN**

Die Seiten 2/3 sind herauszunehmen und durch die neuen Seiten 2/3 zu ersetzen.
(Der Titel von Abschnitt 1.1 wurde durch den neuen Titel ersetzt).

Diese Änderung ist auf dem gelben Blatt "Verzeichnis der Änderungen" einzutragen.

Der Text dieser Änderung wurde dem CECC mit dem unten aufgeführten Schriftstück zur Abstimmung vorgelegt und vom Präsidenten des CECC zur Veröffentlichung freigegeben.

Schriftstück: CECC(Sekretariat)2491
Abstimmungsdatum: Februar 1990
Abstimmungsbericht: CECC(Sekretariat)2653

CECC 30 301-805 Ausgabe 1 Änderung 1 (1991)

Information about the System may be obtained from:



FEN Secretariat
and
CECC General Secretariat
Stresemannallee 15
D-6000 Frankfurt/Main 70
Telefon: (0 69) 630 82 83
Telex 4-12871 vdelz d
Telefax (0 69) 630 82 73 (Gr. 2/3)
or from the National Authorized Institutions
of the participating countries listed
who can supply copies of:

- 1 The Internal Regulations of the FEN e.V.
- 2 CECC Specifications of the FEN and National Specifications for the System
- 3 CECC 00 200: Qualified Products List (QPL) (biannual issues January and July, with three-monthly amendments)
- 4 CECC 00 300: CECC Publications and their related national documents (biannual issues June and December, with three-monthly amendments)

Austria

Österreichischer Verband
für Elektrotechnik
1, Eschenbachgasse 9
A-1010 Vienna

Belgium

Comité Electrotechnique Belge
Galerie d'Avenstein 3
Boite 11
B-1000 Brussels

Denmark

Dansk Elektroteknisk Komite
Strandgade 36
DK-1401 Copenhagen K

Finland

Finnish Electrotechnical
Standards Association
P.O. Box 134
SF-00211 Helsinki 21

France

Union Technique de l'Electricité
Participation Française au CECC
12, Place des Etats-Unis
F-75783 Paris Cedex 16

Germany

Deutsche Elektrotechnische
Kommission im DIN und VDE
Stresemannallee 15
D-6000 Frankfurt/Main 70

Ireland

Institute for Industrial Research
and Standards
Ballymun Road
IRL-Dublin 9

Italy

Comitato Elettrotecnico Italiano
Viale Monza 259
I-20126 Milan

Netherlands

Nederlands Elektrotechnisch Comité
Kalfjeslaan 2
Postbus 5059
NL-2600 GB Delft

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Norsk Elektroteknisk Komite
Postboks 7099
Hømsbyggen
N-0306 Oslo 3

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Instituto Português da Qualidade
Rua José Estêvão, 83A
P-1199 Lisbon Codex

Spain

Asociación Electrotécnica y Electrónica Española
Comité Español del CECC
Avda. de Brasil, 7
E-28020 Madrid 20

Sweden

Svenska Elektriska Kommissionen
Box 1284
S-163 14 Spånga-Stockholm

Switzerland

Schweizerischer Elektrotechnischer
Verein
Postfach
CH-8034 Zürich

United Kingdom

British Electrotechnical Committee
British Standards Institution
2 Park Street
GB-London W1A 2BS

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 specification 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

This specification was prepared by CECC WG 3 "Capacitors".

It is based, wherever possible, on the Publications of the International Electrotechnical Commission.

The text of this detail specification was circulated to the members of CECC WG 3 and was approved for publication under the accelerated procedure for the acceptance of detail specifications in accordance with Decision 10 of the minutes of the CECC CD in document CECC(Secretariat)1838.

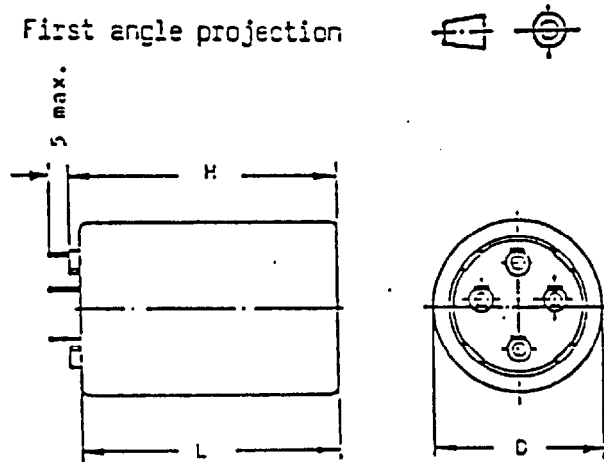
Secretariat Note

This detail specification was originally drafted by members of CEMEC WG PC 1A and discussed as document

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by WG 3 at its last meetings in London and Scheveningen in 1987 with the decision to publish a revised version without voting.
The revision was carried out by a German delegate of WG 3.
To allow early publication, this detail specification is issued initially in English only.
Corresponding versions in French and German will follow on request of ONHs.

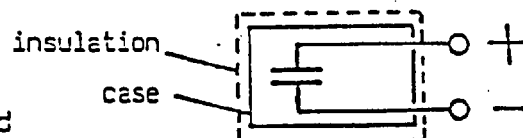
CECC 30 301-805 Issue 1

Specification available from: CECC General Secretariat	CECC 30 301-805 (Issue 1) 1988 
ELECTRONIC COMPONENTS OF ASSESSED QUALITY - DETAIL SPECIFICATION IN ACCORDANCE WITH: CECC 30 000 Issue 3, Amdts. 1 to 5 CECC 30 300 Issue 2	
First angle projection  Notes: - all dimensions in mm - pressure relief device mandatory - for D, L, H see table 1	WG-DETAIL SPECIFICATION FOR FIXED ALUMINIUM ELECTRO- LYTIC CAPACITORS WITH NON-SOLID ELECTROLYTE Polar Cylindrical Metallic case Insulated Unidirectional terminations (pins) for use in printed circuits Assessment level E

QUICK REFERENCE DATA: Rated capacitance (C_n) range: 22 to 63 000 μ F
 Capacitance tolerance: -10/+30 %
 Rated voltage (U_n) range: 10 to 450 V d.c.
 Climatic category: 40/085/56
 Performance grade: long-life grade 2000 h

Circuit diagram

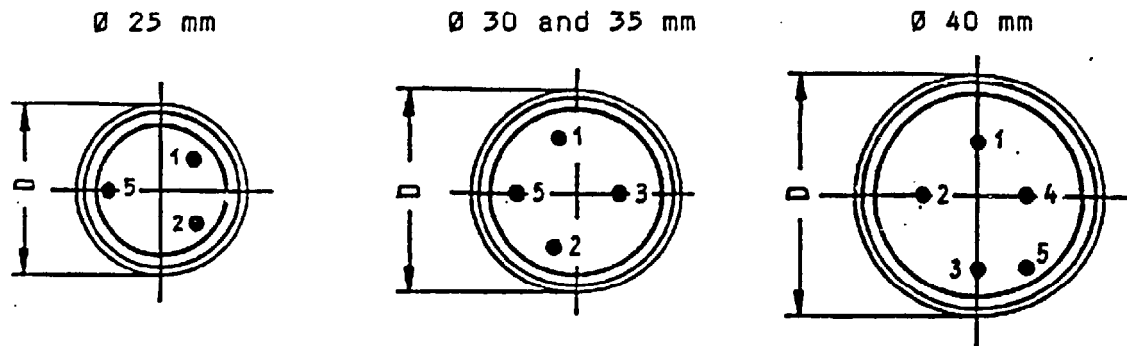
Note:
contact of minus pole
to metallic can not defined



Information about manufacturers who have components qualified to this detail specification is available in the current CECC CO 200: Qualified Products List

It is intended that this specification should replace national specifications. Relevant numbers will be submitted by the national committees and published under issue 2 of this specification.

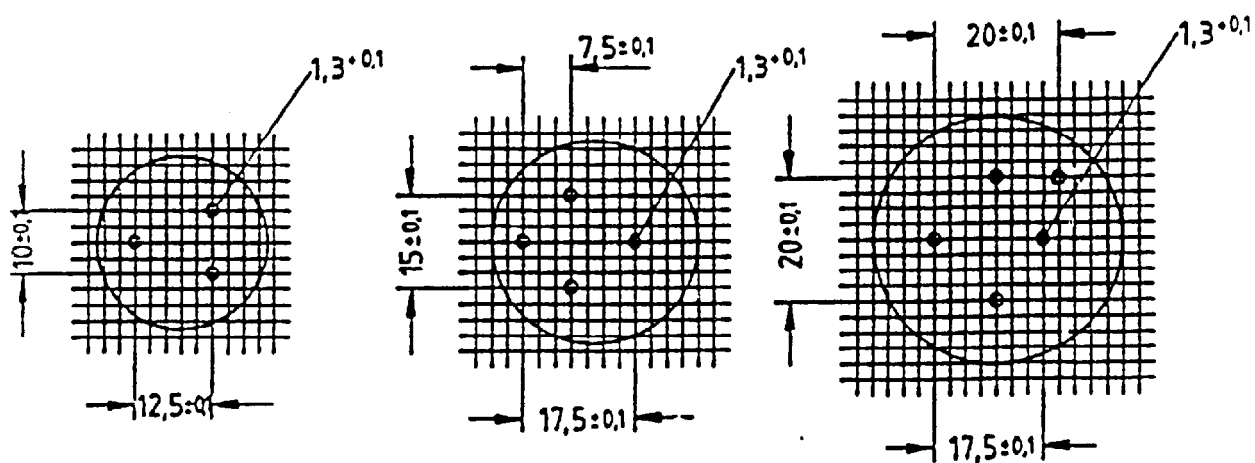
PIN CONFIGURATIONS FOR NOMINAL CASE DIAMETERS



Mounting holes corresponding to pin configurations below

Pin 1 Positive, Pin 5 Negative, in all cases.

The remaining pins are for mounting purposes only and are not necessarily isolated from the negative terminal due to the presence of electrolyte. Dimensions in millimetres.



Piercing diagrams viewed from mounted side