



SLOVENSKI STANDARD

SIST EN 60122-3:2011

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Nadomešča:
SIST EN 60122-3:2002

Kristalne enote določene kakovosti - 3. del: Standardni okrovi in priključki (IEC 60122-3:2010)

Quartz crystal units of assessed quality - Part 3: Standard outlines and lead connections (IEC 60122-3:2010)

Schwingquarze mit bewerteter Qualität - Teil 3: Norm-Gehäusemaße und Anschlussdräht (IEC 60122-3:2010)

Résonateurs à quartz sous assurance de la qualité - Partie 3: Encombrements normalisés et connexions des sorties (CEI 60122-3:2010)

Ta slovenski standard je istoveten z: EN 60122-3:2010

ICS:

31.140	Piezoelektrične in dielektrične naprave	Piezoelectric and dielectric devices
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en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60122-3

December 2010

ICS 31.140

Supersedes EN 60122-3:2001

English version

**Quartz crystal units of assessed quality -
Part 3: Standard outlines and lead connections**
(IEC 60122-3:2010)

Résonateurs à quartz sous assurance de
la qualité -
Partie 3: Encombrements normalisés et
connexions des sorties
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Schwingquarze mit bewerteter Qualität -
Teil 3: Norm-Gehäusemaße und
Anschlussdräht
(IEC 60122-3:2010)

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This European Standard was approved by CENELEC on 2010-12-01. 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 49/886/CDV, future edition 4 of IEC 60122-3, prepared by IEC TC 49, Piezoelectric, Dielectric and Electrostatic Devices and Associated Materials for Frequency Control, Selection and Detection, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60122-3 on 2010-12-01.

This European Standard supersedes EN 60122-3:2001.

The main changes with respect to EN 60122-3:2001 are as follows:

- 12 of the 48 enclosure types contained in EN 60122-3:2001 have been deleted.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

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) 2011-09-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2013-12-01

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Endorsement notice

The text of the International Standard [IEC 60122-3:2010](http://standards.iteh.ai/catalog/standards/sist/b45e54a0-aa45-45b0-bff9-cd680bd511fe/sist-en-60122-3-2011) was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60122-1:2002 NOTE Harmonized as EN 60122-1:2002 (not modified).



IEC 60122-3

Edition 4.0 2010-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Quartz crystal units of assessed quality –
Part 3: Standard outlines and lead connections

Résonateurs à quartz sous assurance de la qualité –
Partie 3: Encombrements normalisés et connexions des sorties

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CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Guidance for the standardization of outline drawings for frequency control and selection devices.....	6
2.1 General.....	6
3 Dimensions of quartz crystal unit enclosures.....	7
4 Designation of quartz crystal unit enclosures.....	8
Bibliography.....	24
Figure 1 – Guidance for outline drawings.....	7
Table 1 – Designation of quartz crystal unit enclosures.....	8

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

QUARTZ CRYSTAL UNITS OF ASSESSED QUALITY –**Part 3: Standard outlines and lead connections**

FOREWORD

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International Standard IEC 60122-3 has been prepared by IEC Technical Committee 49: Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection.

This fourth edition cancels and replaces the third edition published in 2001. This fourth edition constitutes a technical revision.

The main changes with respect to the previous edition are as follows:

- 12 of the 48 enclosure types contained in the previous edition have been deleted.

The text of this standard is based on the third edition and the following documents:

CDV	Report on voting
49/886/CDV	49/904/RVC

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of IEC 60122 series, published under the general title, *Quartz crystal units of assessed quality*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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INTRODUCTION

The third edition of IEC 60122-3 (2004) contained 48 enclosure types showing the dimensional and geometrical characteristics of these enclosures. Since its release, due to progress in technology, many of the enclosures given in the standard have become obsolete.

Bearing this in mind, the following 12 enclosure types have been deleted from the third edition of IEC 60122-3.

AA, AB, BC, BC/1, BF, BF/1, CX, CY, CY/1, CZ, DA, DC.

Therefore, this new version (the fourth edition) contains the following 36 enclosure types ; CK, CM, CN, CP, DK, DL, DP, EH, DQ, DR, DZ, DV, DW, ED, EB, EJ, EK, CU 01A, CU 01B, CU 01C, CU 01D, CU 01E, CU 01F, CU 02A, CU 02B, CU 02C, CU 02D, CU 02E, CU 02F

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QUARTZ CRYSTAL UNITS OF ASSESSED QUALITY –

Part 3: Standard outlines and lead connections

1 Scope

This part of IEC 60122 specifies the outline drawing for quartz crystal units with lead enclosures.

2 Guidance for the standardization of outline drawings for frequency control and selection devices

2.1 General

In order to achieve a uniform presentation of all outline drawings for frequency control and selection devices the following guide shall be considered:

2.2 An outline drawing shall show all dimensional and geometrical characteristics of an enclosure necessary to ensure mechanical interchangeability with all other enclosures of the same outline. Enlarged detailed view may be used, if necessary.

2.3 The outline drawing shall consist of three parts:

2.3.1 A drawing with dimensional symbols (capital letter) as shown in Figure 1 below with applicable notes, if necessary.

2.3.2 A tabular listing relating to the drawing symbols to the actual dimensions. Where possible this shall be shown on the same page as the drawing.

2.3.3 An "actual-size" sketch (scale 1:1).

2.4 The outline drawing shall be executed in the third angle projection.

2.5 The function and identification of the lead connections (termination) shall be determined by agreement between the supplier and user. They shall not be defined on the outline drawing.

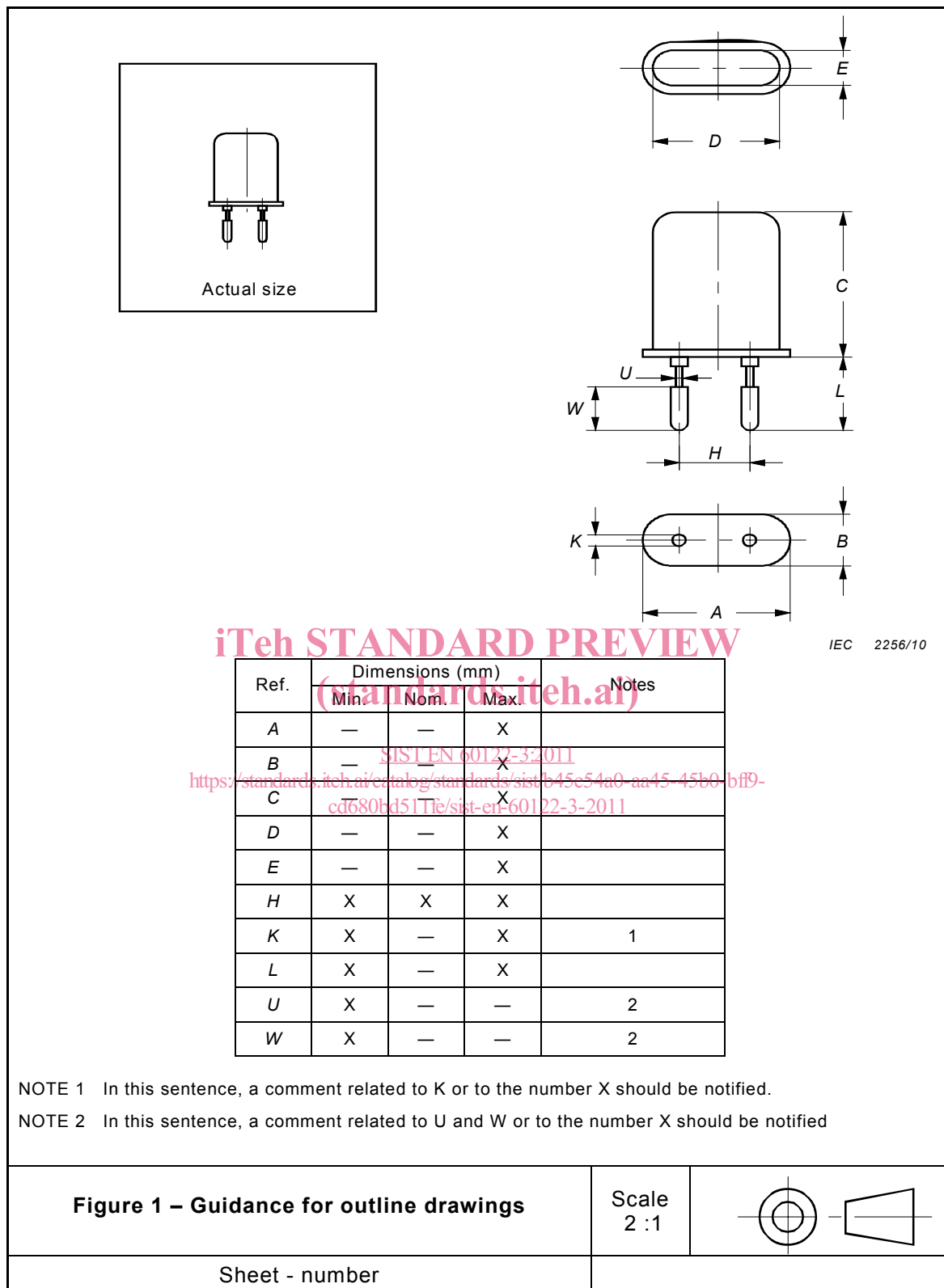
2.6 Descriptive notes may be used at the bottom of/ or adjacent to, the drawing with proper reference to the body of the drawing.

2.7 All dimensions shall be in millimeters.

2.8 Outline dimensions *A*, *B*, *C*, *D* and *E* shall be listed with maximum values only.

2.9 Lead (termination) cross-sectional dimensions shall be listed with minimum and maximum values. If applicable, nominal dimensions may be added.

2.10 The spacing of the leads (termination) – symbol *H* – shall be listed with minimum, nominal and maximum dimensions.



2.11 If leads (terminations) are provided with an undercut dimensions U and W shall be listed with minimum dimensions only.

3 Dimensions of quartz crystal unit enclosures

The dimensions in this standard apply to the competed quartz crystal units.