STN	**Piezoelektrické súčiastky na povrchovú montáž na riadenie a výber frekvencie. Normalizované rozmery a zapojenie vývodov. Časť 3: Kovové puzdrá.**	**STN EN 61837-3** 35 8401

Surface mounted piezoelectric devices for frequency control and selection - Standard outlines and terminal lead connections - Part 3: Metal enclosures

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/16

Obsahuje: EN 61837-3:2015, IEC 61837-3:2015

Oznámením tejto normy sa od 20.05.2018 ruší
STN EN 61837-3 (35 8401) z júla 2002

122652

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61837-3

December 2015

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English Version

Surface mounted piezoelectric devices for frequency control and selection - Standard outlines and terminal lead connections - Part 3: Metal enclosures (IEC 61837-3:2015)

Dispositifs piézoélectriques à montage en surface pour la commande et le choix de la fréquence - Encombrements normalisés et connexions des sorties - Partie 3: Enveloppes métalliques
(IEC 61837-3:2015)

Oberflächenmontierbare piezoelektrische Bauteile zur Frequenzstabilisierung und -selektion - Norm-Gehäusemaße und Anschlüsse - Teil 3: Metallgehäuse
(IEC 61837-3:2015)

This European Standard was approved by CENELEC on 2015-05-20. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre 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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Ref. No. EN 61837-3:2015 E

European foreword

The text of document 49/1118/FDIS, future edition 2 of IEC 61837-3, 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 approved by CENELEC as EN 61837-3:2015.

The following dates are fixed:

• latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2016-06-04
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2018-05-20

This document supersedes EN 61837-3:2000.

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

Endorsement notice

The text of the International Standard IEC 61837-3:2015 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60122-3:2010	NOTE Harmonized as EN 60122-3:2010 (not modified).
IEC 60191-6:2009	NOTE Harmonized as EN 60191-6:2009 (not modified).
IEC 60368-1:2000	NOTE Harmonized as EN 60368-1:2000 (not modified).
A1:2004	A1:2004
IEC 60368-2-2:1996	NOTE Harmonized as EN 60368-2-2:1999 (not modified).
IEC 60368-3:2010	NOTE Harmonized as EN 60368-3:2010 (not modified).
IEC 60679-1:2007	NOTE Harmonized as EN 60679-1:2007 (not modified).
IEC 60679-3:2012	NOTE Harmonized as EN 60679-3:2013 (not modified).
IEC 60862-1:2003	NOTE Harmonized as EN 60862-1:2003 (not modified).
IEC 60862-2:2012	NOTE Harmonized as EN 60862-2:2012 (not modified).
IEC 60862-3:2003	NOTE Harmonized as EN 60862-3:2003 (not modified).
ISO 1101:2012	NOTE Harmonized as EN ISO 1101:2013 (not modified).

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 61240	2012	Piezoelectric devices - Preparation of outline drawings of surface-mounted devices (SMD) for frequency control and selection - General rules	EN 61240	2012

IEC 61837-3

Edition 2.0 2015-04

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Surface mounted piezoelectric devices for frequency control and selection – Standard outlines and terminal lead connections – Part 3: Metal enclosures

Dispositifs piézoélectriques à montage en surface pour la commande et le choix de la fréquence – Encombrements normalisés et connexions des sorties – Partie 3: Enveloppes métalliques

IEC 61837-3:2015-04(en-fr)

IEC 61837-3

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CONTENTS

INTERNATIONAL ELECTROTECHNICAL COMMISSION

SURFACE MOUNTED PIEZOELECTRIC DEVICES FOR FREQUENCY CONTROL AND SELECTION – STANDARD OUTLINES AND TERMINAL LEAD CONNECTIONS –

Part 3: Metal enclosures

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 61837-3 has been prepared by IEC technical committee 49: Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection.

This second edition cancels and replaces the first edition published in 2000. It constitutes a technical revision.

This International Standard is to be read in conjunction with IEC 61240:2012.

This edition includes the following significant technical changes with respect to the previous edition:

- The outline drawing is defined as one set of drawings consisting of four views, which are the view from above, the front view, the view from the right, and the view from below; the view from the right was drawn optionally in the previous edition.

- The height of package (G_1) is eliminated, instead total height is expressed by the symbol letter *G* or with a subscript number.
- The dimensions of terminal lead spacing are shown by the centre position of the terminal leads and its basic value *e* is 2.54 × *n* mm (*n* is an integer) and 1,27 × *n* mm for package dimensions smaller than 6 mm (See IEC 61240:2012, 5.5). If the terminal lead spacing is not a multiple of the basic value, a subscript number such as e_1, e_2 is attached, e.g. e_1, e_2, etc. If there are plural spacing values, the subscript number is followed by a hyphen and numbers such as $e_{1\text{-}1}$, $e_{1\text{-}2}$, etc.
- In terminal land areas, the lengths of each terminal pad are now expressed with maximum values for consumer's convenience. They were expressed as minimum values in the previous edition of IEC 61837-3.
- If there are plural identical enclosures with different height, each enclosure was expressed by a dash (/) and a two-digit number after the basic type name. The identity references are given in the table of the sheet.
- The configurations of the enclosures were revised as shown in Table 1.

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

FDIS	Report on voting
49/1118/FDIS	49/1140/RVD

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 in the IEC 61837 series, published under the general title *Surface mounted piezoelectric devices for frequency control and selection – Standard outlines and terminal lead connections*, 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 website 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.

SURFACE MOUNTED PIEZOELECTRIC DEVICES FOR FREQUENCY CONTROL AND SELECTION – STANDARD OUTLINES AND TERMINAL LEAD CONNECTIONS –

Part 3: Metal enclosures

1 Scope

This part of IEC 61837 deals with standard outlines and terminal lead connections as they apply to SMDs for frequency control and selection in metal enclosures and is based on IEC 61240 which standardized layout rules of outline drawings of the surface-mounted devices.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 61240:2012, *Piezoelectric devices – Preparation of outline drawings of surface mounted devices (SMD) for frequency control and selection – General rules*