



SLOVENSKI STANDARD

SIST EN 61837-4:2015

01-september-2015

Nadomešča:
SIST EN 61837-4:2005

Površinsko nameščeni piezoelektrični elementi za stabilizacijo in izbiranje frekvence - Standardne mere in priključni izvodi - 4. del: Mere hibridnega okrova

Surface mounted piezoelectric devices for frequency control and selection - Standard outline and terminal lead connections - Part 4: Hybrid enclosure outline

Oberflächenmontierbare piezoelektrische Bauteile zur Frequenzstabilisierung und -selektion - Norm-Gehäusemaße und Anschlüsse - Teil 4: Hybridgehäuse

Dispositifs piézoélectriques à montage en surface pour la commande et le choix de la fréquence - Encombrements normalisés et connexions des sorties - Partie 4: Encombrements des enveloppes hybrides

Ta slovenski standard je istoveten z: EN 61837-4:2015

ICS:

31.140	Piezoelektrične in dielektrične naprave	Piezoelectric and dielectric devices
--------	---	--------------------------------------

SIST EN 61837-4:2015	en
----------------------	----

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 61837-4:2015

<https://standards.iteh.ai/catalog/standards/sist/8babca65-d639-43b3-acc7-803369219793/sist-en-61837-4-2015>

EUROPEAN STANDARD

EN 61837-4

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2015

ICS 31.140

Supersedes EN 61837-4:2004

English Version

Surface mounted piezoelectric devices for frequency control and selection - Standard outlines and terminal lead connections -
Part 4: Hybrid enclosure outlines
(IEC 61837-4:2015)

Dispositifs piézoélectriques à montage en surface pour la commande et le choix de la fréquence - Encombrements normalisés et connexions des sorties -
Partie 4: Encombrements des enveloppes hybrides
(IEC 61837-4:2015)

Oberflächenmontierbare piezoelektrische Bauteile zur Frequenzstabilisierung und -selektion - Norm-Gehäusemaße und Anschlüsse -
Teil 4: Hybridgehäuse
(IEC 61837-4:2015)

This European Standard was approved by CENELEC on 2015-05-01. 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 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

Foreword

The text of document 49/1117/FDIS, future edition 2 of IEC 61837-4, 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 61837-4:2015.

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) 2016-02-01
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-05-01

This document supersedes EN 61837-4:2004.

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 61837-4:2015 was approved by CENELEC as a European Standard without any modification.

STANDARD PREVIEW
(standards.iteh.ai)
SIST EN 61837-4:2015
<https://standards.iteh.ai/catalog/standards/sist/8babca65-d639-43b3-acc7-803369219793/sist-en-61837-4-2015>

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

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

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 61837-4:2015

<https://standards.iteh.ai/catalog/standards/sist/8babca65-d639-43b3-acc7-803369219793/sist-en-61837-4-2015>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 61837-4:2015

<https://standards.iteh.ai/catalog/standards/sist/8babca65-d639-43b3-acc7-803369219793/sist-en-61837-4-2015>



IEC 61837-4

Edition 2.0 2015-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Surface mounted piezoelectric devices for frequency control and selection –
Standard outlines and terminal lead connections –
Part 4: Hybrid enclosure outlines

Dispositifs piézoélectriques à montage en surface pour la commande et le choix
de la fréquence – Encombrements normalisés et connexions des sorties –
Partie 4: Encombrements des enveloppes hybrides

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 31.140

ISBN 978-2-8322-2428-1

**Warning! Make sure that you obtained this publication from an authorized distributor.
Attention! Veuillez vous assurer que vous avez obtenu cette publication via un distributeur agréé.**

CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references.....	5
3 Configuration of enclosures	5
4 Dimensions of surface mounted piezoelectric devices with hybrid enclosure outlines	5
5 Table of detailed dimensions.....	5
6 Designation of surface mounted piezoelectric devices with hybrid enclosure outlines	6
Table 1 – Revised Configuration	6
Table 2 – Designation of surface mounted piezoelectric devices with hybrid enclosure outline	6
Table 3 – Lead connections	7

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 61837-4:2015

<https://standards.iteh.ai/catalog/standards/sist/8babca65-d639-43b3-acc7-803369219793/sist-en-61837-4-2015>

INTERNATIONAL ELECTROTECHNICAL COMMISSION

—————

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

Part 4: Hybrid enclosure outlines

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.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61837-4 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 2004. It constitutes a technical revision.

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

- 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, instead of one set consisting of three views as provided in the previous edition.
- The configurations of the enclosures were revised as shown in Table 1.