



SLOVENSKI STANDARD

SIST EN 60368-3:2002

01-september-2002

Piezoelectric filters of assessed quality - Part 3: Standard outlines and lead connections (IEC 60368-3:2001)

Piezoelectric filters of assessed quality -- Part 3: Standard outlines and lead connections

Piezoelektrische Filter mit bewerteter Qualität -- Teil 3: Norm-Gehäusemaße und Anschlussdrähte

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Filtres piézoélectriques sous assurance de la qualité -- Partie 3: Encombrements normalisés et connexions des sorties

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Ta slovenski standard je istoveten z: **EN 60368-3:2001**

ICS:

31.140	Piezoelektrične in dielektrične naprave	Piezoelectric and dielectric devices
31.160	Električni filtri	Electric filters

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en

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EUROPEAN STANDARD

EN 60368-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2001

ICS 31.140

English version

Piezoelectric filters of assessed quality
Part 3: Standard outlines and lead connections
(IEC 60368-3:2001)

Filtres piézoélectriques sous assurance
de la qualité
Partie 3: Encombrements normalisés et
connexions des sorties
(CEI 60368-3:2001)

Piezoelektrische Filter mit bewerteter
Qualität
Teil 3: Norm-Gehäusemaße und
Anschlussdrähte
(IEC 60368-3:2001)

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This European Standard was approved by CENELEC on 2001-10-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 49/494/FDIS, future edition 3 of IEC 60368-3, prepared by IEC TC 49, Piezoelectric and dielectric devices for frequency control and selection, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60368-3 on 2001-10-01.

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) 2002-07-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2004-10-01

Endorsement notice

The text of the International Standard IEC 60368-3:2001 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 60368-1	NOTE	Harmonized as EN 60368-1:2000 (not modified).
IEC 60368-2-2	NOTE	Harmonized as EN 60368-2-2:1999 (not modified).

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC

60368-3

Troisième édition
Third edition
2001-07

Filtres piézoélectriques sous assurance
de la qualité –

Partie 3:
Encombrements normalisés et connexions
des sorties

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Piezoelectric filters of assessed quality –

SIST EN 60368-3:2002

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Part 3:
Standard outlines and lead connections

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

PIEZOELECTRIC FILTERS OF ASSESSED QUALITY –

Part 3: Standard outlines and lead connections

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the 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, the IEC publishes International Standards. 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. The 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 the 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 National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
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- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60368-3 has been prepared by IEC technical committee 49: Piezoelectric and dielectric devices for frequency control and selection.

This third edition cancels and replaces the second edition issued in 1991 and constitutes a technical revision.

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

FDIS	Report on voting
49/494/FDIS	49/509/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 3.

IEC 60368 consists of the following parts under the general title: Piezoelectric filters of assessed quality:

- Part 1: Generic specification
- Part 2: Guide to the use of piezoelectric filters – Section One: Quartz crystal filters

- Part 2: Guide to the use of piezoelectric filters – Section 2: Piezoelectric ceramic filters
- Part 3: Standard outlines and lead connections
- Part 4: Sectional specification – Capability approval
- Part 4-1: Blank detail specification – Capability approval
- Part 5: Sectional specification – Qualification approval ¹⁾
- Part 5-1: Blank detail specification – Qualification approval ¹⁾

The committee has decided that the contents of this publication will remain unchanged until 2006. At this date, the publication will be

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

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¹⁾ Under consideration.

INTRODUCTION

The second edition of IEC 60368-3 (1991) contained 31 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, technical committee 49 has issued a questionnaire on all outlines contained in IEC 60368-3. Based on the replies received, technical committee 49 made a decision at the meeting held in Rotterdam in June 1996 to retain only enclosures which remained in “wide usage”. These enclosures are specified in the present standard.

The following 11 enclosure types have been deleted from the second edition of IEC 60368-3 (1991):

F 09, F 10, F 11, F 13, F 17, F 18, F 19, F 20, F 21, CF 08, CF 10

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PIEZOELECTRIC FILTERS OF ASSESSED QUALITY –

Part 3: Standard outlines and lead connections

1 Scope

This part of IEC 60368 specifies the outline dimensions and lead connections for piezoelectric filters with leaded enclosures.

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

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

2.1 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 detail view may be used, if necessary.

2.2 The outline drawing shall consist of three parts:

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

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

2.2.3 An “actual-size” sketch (scale 1:1).

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

2.4 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.

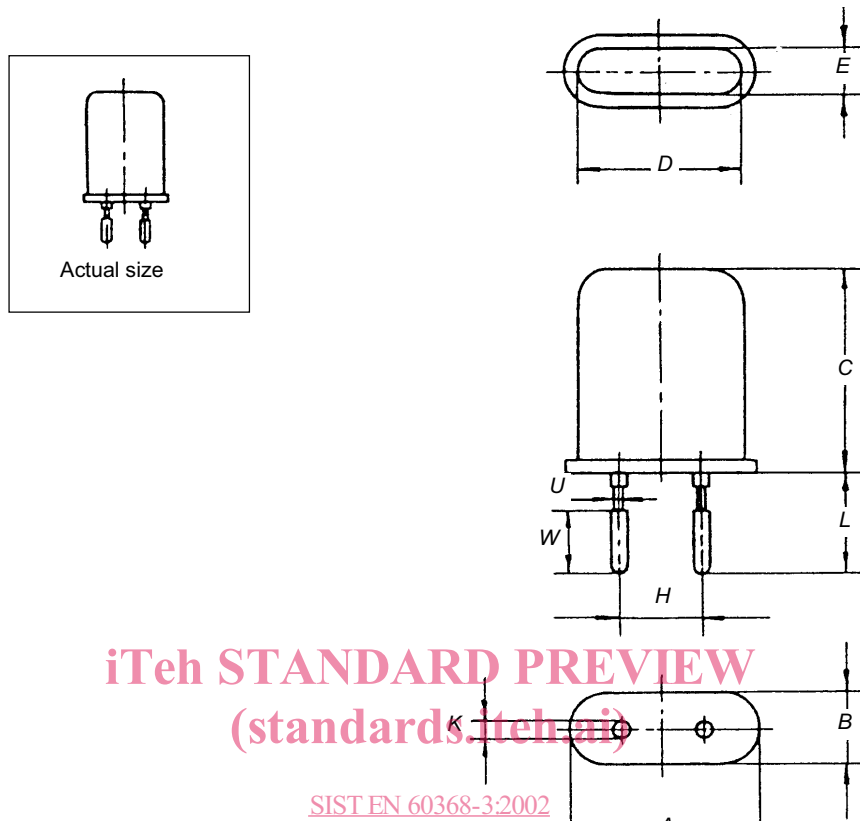
2.5 Descriptive notes may be used at the bottom of, or adjacent to, the drawing with proper reference to the body of the drawing.

2.6 All dimensions shall be in millimetres.

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

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

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



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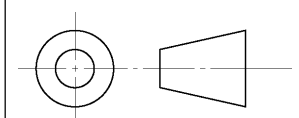
IEC 865/01

Ref.	Dimensions (mm)			Notes Types
	Min.	Nom.	Max.	
A	-	-	x	
B	-	-	x	
C	-	-	x	
D	-	-	x	
E	-	-	x	
H	x	x	x	
K	x	-	x	1
L	x	-	x	
U	x	-	-	2
W	x	-	-	2

NOTE 1
NOTE 2

Figure 1 – Guidance for outline drawings

Scale
2:1



Sheet --

Date: