

Piezoelectric filters of assessed quality —

Part 3: Standard outlines and lead connections

The European Standard EN 60368-3:2001 has the status of a British Standard

ICS 31.140

National foreword

This British Standard is the official English language version of EN 60368-3:2001. It is identical with IEC 60368-3:2001. It supersedes BS 5069-2:1983 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee EPL/49, Piezo-electric devices for frequency control and selection, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

From 1 January 1997, all IEC publications have the number 60000 added to the old number. For instance, IEC 27-1 has been renumbered as IEC 60027-1. For a period of time during the change over from one numbering system to the other, publications may contain identifiers from both systems.

Cross-references

The British Standards which implement these international or European publications may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

This British Standard, having been prepared under the direction of the Electrotechnical Sector Policy and Strategy Committee, was published under the authority of the Standards Policy and Strategy Committee on 08 February 2002

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 18, an inside back cover and a back cover.

The BSI copyright date displayed in this document indicates when the document was last issued.

Amendments issued since publication

Amd. No.	Date	Comments

© BSI 08 February 2002

ISBN 0 580 38982 0

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)

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). |
-

CONTENTS

	Page
INTRODUCTION.....	4
Clause	
1 Scope.....	5
2 Guidance for the standardization of outline drawings for frequency control and selection devices	5
3 Dimensions of piezoelectric filter enclosures	7
4 Designation of piezoelectric filter enclosures	7
Specification sheets 1 to 10	8 to 17
Bibliography.....	18

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

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.