
**Mechanical structures for electronic equipment - Outdoor enclosures - Part 3:
Sectional specification - Climatic, mechanical tests and safety aspects for cabinets
and cases (IEC 61969-3:2001)**

Mechanical structures for electronic equipment - Outdoor enclosures -- Part 3: Sectional specification - Climatic, mechanical tests and safety aspects for cabinets and cases

Mechanische Bauweisen für elektronische Einrichtungen - Außengehäuse -- Teil 3:
Strukturnorm - Klimatische, mechanische Prüfungen und Sicherheitsaspekte für
Schränke und Gestelle

Structures mécaniques pour équipement électronique - Enveloppes de plein air -- Partie
3: Spécification intermédiaire - Essais climatiques, mécaniques et aspects de la sécurité
des baies et coffrets

Ta slovenski standard je istoveten z: EN 61969-3:2001

ICS:

31.240	Mehanske konstrukcije za elektronsko opremo	Mechanical structures for electronic equipment
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SIST EN 61969-3:2002**en**

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EUROPEAN STANDARD

EN 61969-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2001

ICS 31.240

English version

**Mechanical structures for electronic equipment -
Outdoor enclosures
Part 3: Sectional specification -
Climatic, mechanical tests and safety aspects for cabinets and cases
(IEC 61969-3:2001)**

Structures mécaniques pour équipement

électronique -

Enveloppes de plein air

Partie 3: Spécification intermédiaire -

Essais climatiques, mécaniques et

aspects de la sécurité des baies et

coffrets

(CEI 61969-3:2001)

Mechanische Bauweisen für elektronische

Einrichtungen -

Außengehäuse

Teil 3: Strukturnorm -

Klimatische, mechanische Prüfungen und

Sicherheitsaspekte für Schränke und

Gestelle

(IEC 61969-3:2001)

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This European Standard was approved by CENELEC on 2001-07-01. 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, 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 48D/258/FDIS, future edition 1 of IEC 61969-3, prepared by SC 48D, Mechanical structures for electronic equipment, of IEC TC 48, Electromechanical components and mechanical structures for electronic equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61969-3 on 2001-07-01.

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) 2002-04-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2004-07-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61969-3:2001 was approved by CENELEC as a European Standard without any modification.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2	Series	Environmental testing Part 2: Tests	EN 60068-2	Series
IEC 60439-5	1)	Low-voltage switchgear and controlgear assemblies Part 5: Particular requirements for assemblies intended to be installed outdoors in public places - Cable distribution cabinets (CDCs) for power distribution in networks	EN 60439-5	1996 ²⁾
IEC 60529	1)	Degrees of protection provided by enclosures (IP Code)	EN 60529 + corr. May	1991 ²⁾ 1993
IEC 60721-3-2	1)	Classification of environmental conditions Part 3: Classification of groups of environmental parameters and their severities -- Section 2: Transportation	EN 60721-3-2	1997 ²⁾
IEC 60721-3-4	1)	Part 3: Classification of groups of environmental parameters and their severities -- Section 4: Stationary use at non-weatherprotected locations	EN 60721-3-4	1995 ²⁾
IEC 60950 (mod)	1)	Safety of information technology equipment	EN 60950	2000 ²⁾
IEC 61587-1	1)	Mechanical structures for electronic equipment - Tests for IEC 60917 and IEC 60297 Part 1: Climatic, mechanical tests and safety aspects for cabinets, racks, subracks and chassis	EN 61587-1	1999 ²⁾

1) undated reference.

2) valid edition at date of issue.

EN 61969-3:2001

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61587-2	¹⁾	Part 2: Seismic tests for cabinets and racks	EN 61587-2	2001 ²⁾
IEC 61587-3	¹⁾	Part 3: Electromagnetic shielding performance tests for cabinets, racks and subracks	-	-

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

61969-3

Première édition
First edition
2001-06

**Structures mécaniques pour équipement
électronique –
Enveloppes de plein air –**

**Partie 3:
Spécification intermédiaire –
Essais climatiques, mécaniques et aspects
de la sécurité des baies et coffrets**

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Outdoor enclosures –**

**Part 3:
Sectional specification –
Climatic, mechanical tests and safety aspects
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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**MECHANICAL STRUCTURES FOR ELECTRONIC EQUIPMENT –
OUTDOOR ENCLOSURES –****Part 3: Sectional specification –
Climatic, mechanical tests and safety aspects
for cabinets and cases**

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.
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International Standard IEC 61969-3 has been prepared by subcommittee 48D: Mechanical structures for electronic equipment, of IEC technical committee 48: Electromechanical components and mechanical structures for electronic equipment.

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

FDIS	Report on voting
48D/258/FDIS	48D/260/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 ISO/IEC Directives, Part 3.

The committee has decided that the contents of this publication will remain unchanged until 2007. At this date, the publication will be

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