



SLOVENSKI STANDARD
SIST EN IEC 61969-3:2024

01-marec-2024

Mehanske strukture za električno in elektronsko opremo - Ohišja na prostem - 3. del: Okoljevarstvene zahteve, preskusi in varnostni vidiki (IEC 61969-3:2023)

Mechanical structures for electrical and electronic equipment - Outdoor enclosures - Part 3: Environmental requirements, tests and safety aspects (IEC 61969-3:2023)

Mechanische Bauweisen für elektrische und elektronische Einrichtungen - Außengehäuse - Teil 3: Umgebungsanforderungen, Prüfungen und Sicherheitsaspekte (IEC 61969-3:2023)

Structures mécaniques pour équipement électrique et électronique - Enveloppes de plein air - Partie 3: Exigences et essais d'environnement, et aspects liés à la sécurité (IEC 61969-3:2023)

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ICS:

31.240	Mehanske konstrukcije za elektronsko opremo	Mechanical structures for electronic equipment
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 61969-3

January 2024

ICS 31.240

Supersedes EN IEC 61969-3:2020

English Version

**Mechanical structures for electrical and electronic equipment -
Outdoor enclosures - Part 3: Environmental requirements, tests
and safety aspects
(IEC 61969-3:2023)**

Structures mécaniques pour équipement électrique et
électronique - Enveloppes de plein air - Partie 3: Exigences
et essais d'environnement, et aspects liés à la sécurité
(IEC 61969-3:2023)

Mechanische Bauweisen für elektrische und elektronische
Einrichtungen - Außengehäuse - Teil 3:
Umgebungsanforderungen, Prüfungen und
Sicherheitsaspekte
(IEC 61969-3:2023)

This European Standard was approved by CENELEC on 2023-12-25. 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.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 61969-3:2024 (E)**European foreword**

The text of document 48D/765/FDIS, future edition 4 of IEC 61969-3, prepared by SC 48D "Mechanical structures for electrical and electronic equipment" of IEC/TC 48 "Electrical connectors and mechanical structures for electrical and electronic equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61969-3:2024.

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) 2024-09-25
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-12-25

This document supersedes EN IEC 61969-3:2020 and all of its amendments and corrigenda (if any).

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Endorsement notice

The text of the International Standard IEC 61969-3:2023 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 standard indicated:

IEC 60068-2-5 NOTE Approved as EN IEC 60068-2-5

IEC 60695-11-10 NOTE Approved as EN 60695-11-10

IEC 60825-1 NOTE Approved as EN 60825-1

IEC 61010-1 NOTE Approved as EN 61010-1

IEC 61140 NOTE Approved as EN 61140

IEC 62305-4 NOTE Approved as EN 62305-4

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where 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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-1	-	Environmental testing - Part 2-1: Tests - Test A: Cold	EN 60068-2-1	-
IEC 60068-2-2	-	Environmental testing - Part 2-2: Tests - Test B: Dry heat	EN 60068-2-2	-
IEC 60068-2-6	-	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	-
IEC 60068-2-10	-	Environmental testing - Part 2-10: Tests - Test J and guidance: Mould growth	EN 60068-2-10	-
IEC 60068-2-11	-	Environmental testing - Part 2-11: Tests - Test Ka: Salt mist	EN IEC 60068-2-11	-
IEC 60068-2-14	-	Environmental testing - Part 2-14: Tests - Test N: Change of temperature	EN IEC 60068-2-14	-
IEC 60068-2-27	-	Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock	EN 60068-2-27	-
IEC 60068-2-30	-	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)	EN 60068-2-30	-
IEC 60068-2-60	-	Environmental testing - Part 2-60: Tests - Test Ke: Flowing mixed gas corrosion test	EN 60068-2-60	-
IEC 60529	-	Degrees of protection provided by enclosures (IP Code)	EN 60529	-
IEC 60721-3-2	-	Classification of environmental conditions - Part 3-2: Classification of groups of environmental parameters and their severities - Transportation and Handling	EN IEC 60721-3-2	-
IEC 60721-3-4	-	Classification of environmental conditions - Part 3-4: Classification of groups of environmental parameters and their severities - Stationary use at non-weatherprotected locations	EN IEC 60721-3-4	-

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IEC 60794-1-21	-	Optical fibre cables - Part 1-21: Generic specification - Basic optical cable test procedures - Mechanical tests methods	EN 60794-1-21	-
IEC 61300-2-10	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-10: Tests - Crush and load resistance	EN IEC 61300-2-10	-
IEC 61300-2-56	2020	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-56: Tests - Wind resistance of mounted housing	EN IEC 61300-2-56	2020
IEC 61439-5	-	Low-voltage switchgear and controlgear assemblies - Part 5: Assemblies for power distribution in public networks	EN IEC 61439-5	-
IEC 61587-1	-	Mechanical structures for electrical and electronic equipment - Tests for IEC 60917 and IEC 60297 series - Part 1: Environmental requirements, test setups and safety aspects	EN IEC 61587-1	-
IEC 61587-2	-	Mechanical structures for electronic equipment - Tests for IEC 60917 and 60297 - Part 2: Seismic tests for cabinets and racks	EN 61587-2	-
IEC 61587-3	-	Mechanical structures for electronic equipment - Tests for IEC 60917 and IEC 60297 - Part 3: Electromagnetic shielding performance tests for cabinets and subracks	EN 61587-3	-
IEC 61969-1	2023	Mechanical structures for electrical and electronic equipment - Outdoor enclosures - Part 1: Design guidelines	EN IEC 61969-1	2023
IEC 62194	-	Method of evaluating the thermal performance of enclosures	EN 62194	-
IEC 62262	-	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)	EN 62262	-
IEC 62368-1	-	Audio/video, information and communication technology equipment - Part 1: Safety requirements	EN 62368-1	-
ISO 2533	-	Standard Atmosphere	-	-
ISO 3744	-	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane	EN ISO 3744	-
ISO 4892-2	-	Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps	EN ISO 4892-2	-
ISO 4892-3	-	Plastics - Methods of exposure to laboratory light sources - Part 3: Fluorescent UV lamps	EN ISO 4892-3	-

ETSI EN 300 019-2-2 -	Equipment Engineering (EE); Environmental conditions and environmental tests for telecommunications equipment; Part 2-2: Specification of environmental tests; Transportation	-	-
ETSI EN 300 019-2-4 -	Environmental Engineering (EE); Environmental conditions and environmental tests for telecommunications equipment; Part 2-4: Specification of environmental tests; Stationary use at non-weatherprotected locations	-	-

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

Mechanical structures for electrical and electronic equipment – Outdoor enclosures –

Part 3: Environmental requirements, tests and safety aspects

Structures mécaniques pour équipement électrique et électronique –

Enveloppes de plein air –

Partie 3: Exigences et essais d'environnement, et aspects liés à la sécurité

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CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references	6
3 Terms and definitions	8
4 Classification of environmental conditions	8
5 Environmental test conditions	8
5.1 General.....	8
5.2 Pass/fail criteria tests.....	8
5.3 Climatic tests	9
5.4 Biological tests	11
5.5 Tests of resistance against chemically active substances	11
5.6 Tests of resistance against mechanically active substances.....	12
6 Mechanical tests.....	12
6.1 Operational related mechanical tests	12
6.2 Transport tests.....	13
6.3 Lifting and stiffness test	14
7 Safety aspects.....	14
7.1 General.....	14
7.2 Locking devices	14
7.3 Vandalism resistance	14
7.4 Firearms resistance (optional for outdoor metal enclosures)	14
8 Seismic requirements	15
9 Electromagnetic shielding performance	15
10 Thermal management.....	15
11 Acoustic noise emission	15
Bibliography.....	16
Table 1 – Pass/fail criteria tests	9
Table 2 – Climatic conditions for environmental classes 1 and 2	10
Table 3 – Biological tests	11
Table 4 – Tests of resistance against chemically active substances	12
Table 5 – Mechanical tests (operational).....	13