SLOVENSKI STANDARD
SIST EN IEC 61969-1:2020

01-september-2020

Nadomešča:
SIST EN 61969-1:2012

Mehanske strukture za električno in elektronsko opremo - Ohišja na prostem - 1. del: Smernice za projektiranje (IEC 61969-1:2020)

Mechanical structures for electrical and electronic equipment - Outdoor enclosures - Part 1: Design guidelines (IEC 61969-1:2020)

Mechanische Bauweisen für elektronische Einrichtungen - Außengehäuse - Teil 1: Konstruktionsleitfaden (IEC 61969-1:2020)

Structures mécaniques pour équipment électronique - Enveloppes de plein air - Partie 1: Lignes directrices pour la conception (IEC 61969-1:2020)

Ta slovenski standard je istoveten z: **EN IEC 61969-1:2020**

ICS:

31.240	Mehanske konstrukcije za elektronsko opremo	Mechanical structures for electronic equipment

SIST EN IEC 61969-1:2020 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 61969-1

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Supersedes EN 61969-1:2012 and all of its amendments and corrigenda (if any)

English Version

Mechanical structures for electrical and electronic equipment - Outdoor enclosures - Part 1: Design guidelines (IEC 61969-1:2020)

Structures mécaniques pour équipement électrique et électronique - Enveloppes de plein air - Partie 1: Lignes directrices pour la conception (IEC 61969-1:2020)

Mechanische Bauweisen für elektrische und elektronische Einrichtungen - Außengehäuse - Teil 1: Konstruktionsleitfaden (IEC 61969-1:2020)

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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

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European foreword

The text of document 48D/720/FDIS, future edition 3 of IEC 61969-1, 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 61969-1:2020.

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) 2021-03-16
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-06-16

This document supersedes EN 61969-1:2012 and all of its amendments and corrigenda (if any).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

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The text of the International Standard IEC 61969-1:2020 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 60068-2-1	NOTE	Harmonized as EN 60068-2-1
IEC 60068-2-2	NOTE	Harmonized as EN 60068-2-2
IEC 60068-2-5	NOTE	Harmonized as EN IEC 60068-2-5
IEC 60068-2-6	NOTE	Harmonized as EN 60068-2-6
IEC 60068-2-10	NOTE	Harmonized as EN 60068-2-10
IEC 60068-2-11	NOTE	Harmonized as EN 60068-2-11
IEC 60068-2-14	NOTE	Harmonized as EN 60068-2-14
IEC 60068-2-27	NOTE	Harmonized as EN 60068-2-27
IEC 60068-2-30	NOTE	Harmonized as EN 60068-2-30
IEC 60068-2-31	NOTE	Harmonized as EN 60068-2-31
IEC 60068-2-60	NOTE	Harmonized as EN 60068-2-60
IEC 60068-2-78	NOTE	Harmonized as EN 60068-2-78
IEC 60297 (series)	NOTE	Harmonized as EN IEC 60297 (series)
IEC 60297-3-100	NOTE	Harmonized as EN 60297-3-100
IEC 60917 (series)	NOTE	Harmonized as EN 60917 (series)
IEC 60917-1	NOTE	Harmonized as EN IEC 60917-1
IEC 60917-2	NOTE	Harmonized as EN 60917-2
IEC 61587-2	NOTE	Harmonized as EN 61587-2
IEC 61587-3	NOTE	Harmonized as EN 61587-3
IEC 61969-2	NOTE	Harmonized as EN 61969-2
IEC 61969-3	NOTE	Harmonized as EN 61969-3

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.cenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60068-2-75	-	Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests	EN 60068-2-75	-
IEC 60417	-	Graphical symbols for use on equipment. Index, survey and compilation of the single sheets.	-	-
IEC 60529	-	Degrees of protection provided by enclosures (IP Code)	-	-
IEC 60695-11-10	-	Fire hazard testing - Part 11-10: Test flames - 50 W horizontal and vertical flame test methods	EN 60695-11-10	-
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	-
IEC 60825-1	-	Safety of laser products - Part 1: Equipment classification and requirements	EN 60825-1	-
IEC 60950-1	-	Information technology equipment - Safety - Part 1: General requirements	EN 60950-1	-
IEC 61010-1	-	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements	EN 61010-1	-

IEC 61140	-	Protection against electric shock - Common aspects for installation and equipment	EN 61140	-
IEC 61439-5	-	Low-voltage switchgear and controlgear assemblies - Part 5: Assemblies for power distribution in public networks	EN 61439-5	-
IEC 61587-1	-	Mechanical structures for electronic equipment - Tests for IEC 60917 and IEC 60297 series - Part 1: Environmental requirements, test set-up and safety aspects for cabinets, racks, subracks and chassis under indoor condition use and transportation	EN 61587-1	-
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 62305-4	-	Protection against lightning - Part 4: Electrical and electronic systems within structures	EN 62305-4	-
ISO 15181-1	-	Paints and varnishes - Determination of release rate of biocides from antifouling paints - Part 1: General method for extraction of biocides	EN ISO 15181-1	-
ISO 3864-2	-	Graphical symbols - Safety colours and safety signs - Part 2: Design principles for product safety labels	-	-
ISO 7779	-	Acoustics - Measurement of airborne noise emitted by information technology and telecommunications equipment	EN ISO 7779	-
ETSI EN 300 019-1-4	-	Equipment Engineering (EE) - Environmental conditions and environmental tests for telecommunications equipment - Part 1-4: Classification of environmental conditions - Stationary use at non-weatherprotected locations	-	-
ETSI EN 300 019-2-4	-	Equipment Engineering (EE) - Environmental conditions and environmental tests for telecommunications equipment - Part 2-4: Specification of environmental tests - Stationary use at non-weatherprotected locations	-	-
ETSI EN 300 753	-	Equipment Engineering (EE) - Acoustic noise emitted by telecommunications equipment	-	-

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

Mechanical structures for electrical and electronic equipment – Outdoor enclosures – Part 1: Design guidelines

Structures mécaniques pour équipement électrique et électronique – Enveloppes de plein air – Partie 1: Lignes directrices pour la conception

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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MECHANICAL STRUCTURES FOR ELECTRICAL AND ELECTRONIC EQUIPMENT – OUTDOOR ENCLOSURES –

Part 1: Design guidelines

FOREWORD

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International Standard IEC 61969-1 has been prepared by subcommittee 48D: Mechanical structures for electrical and electronic equipment, of IEC technical committee 48: Electrical connectors and mechanical structures for electrical and electronic equipment.

This third edition cancels and replaces the second edition published in 2011. This edition constitutes a technical revision.

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

a) alignment with the content of ETSI EN 300 019 and IEC 60721 series latest editions, particularly with the actualization of climate conditions;

b) new requirements added to reflect market requirements on environmental issues;

c) improvement on terminology and overall editorial improvement.