SLOVENSKI STANDARD
SIST EN 62262:2007/A1:2021

01-december-2021

Stopnje zaščite pred mehanskimi udarci, ki jo ohišja nudijo električni opremi (koda IK) - Dopolnilo A1 (IEC 62262:2002/AMD1:2021)

Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code) (IEC 62262:2002/AMD1:2021)

Schutzarten durch Gehäuse für elektrische Betriebsmittel (Ausrüstung) gegen äußere mechanische Beanspruchungen (IK-Code) (IEC 62262:2002/AMD1:2021)

Degrés de protection procurés par les enveloppes de matériels électriques contre les impacts mécaniques externes (Code IK) (IEC 62262:2002/AMD1:2021)

Ta slovenski standard je istoveten z: **EN 62262:2002/A1:2021**

ICS:

29.020	Elektrotehnika na splošno	Electrical engineering in general

SIST EN 62262:2007/A1:2021 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 62262:2002/A1

October 2021

ICS 29.020

English Version

Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code) (IEC 62262:2002/AMD1:2021)

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(IEC 62262:2002/AMD1:2021)

This amendment A1 modifies the European Standard EN 62262:2002; it was approved by CENELEC on 2021-10-08. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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

Ref. No. EN 62262:2002/A1:2021 E

European foreword

The text of document 70/157/FDIS, future IEC 62262/AMD1, prepared by IEC/TC 70 “Degrees of protection provided by enclosures” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62262:2002/A1:2021.

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) 2022–07–08
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024–10–08

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.

Any feedback and questions on this document should be directed to the users’ national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 62262:2002/AMD1:2021 was approved by CENELEC as a European Standard without any modification.

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.

The Annex ZA of EN 62262:2002 applies with the following changes:

Publication	Year	Title	EN/HD	Year
Delete the following reference:				
IEC 60050(826)	1982	International electrotechnical vocabulary -- Chapter 826: Electrical installations of buildings		-
Replace the following references:				
IEC 60068-1	1988	Environmental testing – Part 1: General and guidance		-
IEC 60068-2-75	1997	Environmental testing – Part 2–75: Tests - Test Eh: Hammer tests		
With the following new references:				-
IEC 60068-1	-	Environmental testing - Part 1: General and guidance	EN 60068-1	-
IEC 60068-2-75	-	Environmental testing - Part 2–75: Tests - Test Eh: Hammer tests	EN 60068-2-75	-

IEC 62262

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)

Degrés de protection procurés par les enveloppes de matériels électriques contre les impacts mécaniques externes (Code IK)

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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DEGREES OF PROTECTION PROVIDED BY ENCLOSURES FOR ELECTRICAL EQUIPMENT AGAINST EXTERNAL MECHANICAL IMPACTS (IK CODE)

AMENDMENT 1

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of 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, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). 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. 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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8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
9) Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

Amendment 1 to IEC 62262:2002 has been prepared by IEC technical committee 70: Degrees of protection provided by enclosures.

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

Draft	Report on voting
70/157/FDIS	70/158/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this Amendment is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications/.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

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

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1 Scope

Replace the existing text with the following new text:

This document refers to the classification of the degrees of protection provided by enclosures against external mechanical impacts when the rated voltage of the protected equipment is not greater than 72,5 kV.

The object of this document is to give

a) the definitions for the degrees of protection provided by enclosures of electrical equipment as regards protection of the equipment inside the enclosure against harmful effects of mechanical impacts;

b) the designations for the degrees of protection;

c) the requirements for each designation;

d) the tests to be performed to verify that the enclosure meets the requirements of this document.

It will remain the responsibility of individual technical committees to decide on the extent and manner in which the classification is used in their standards and to define the "enclosure" as it applies to their equipment and to ensure that for a given classification, the tests do not differ from those specified in this document. If necessary, complementary requirements can be included in the relevant product standard.

For a particular type of equipment, a product committee can specify different requirements provided that at least the same level of safety is ensured.

This document deals only with enclosures that are in all other respects suitable for their intended use as specified in the relevant product standard and which, from the point of view of materials and workmanship, ensure that the claimed degrees of protection are maintained under the normal conditions of use.

2 Normative references

Replace the existing introductory paragraph with the following:

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.

Delete the reference to IEC 60050(826):1982.

Replace the references to IEC 60068-1:1988 *and* IEC 60068-2-75:1997 *with the following new references:*

IEC 60068-1, *Environmental testing – Part 1: General and guidance*

IEC 60068-2-75, *Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests*

3 Definitions

Replace the existing title and introductory paragraph of Clause 3 with the following:

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at http://www.iso.org/obp

Replace the existing entry 3.1, including its footnote, with the following new entry:

3.1
enclosure
part providing protection of equipment against certain external influences and, in any direction, protection against direct contact

Note 1 to entry: This definition needs the following explanations under the scope of this document:

a) Enclosures provide protection of equipment against harmful effects of mechanical impacts;

b) Barriers, shapes of openings or any other means – whether attached to the enclosure or formed by the enclosed equipment – suitable to prevent or limit the penetration of the specified test probes are considered as a part of the enclosure, except when they can be removed without the use of a key or tool.

[SOURCE: IEC 60529:1989, 3.1, modified – Reference to IEV 826-03-12 has been deleted and the note has been replaced with a new Note 1 to entry.]