



SLOVENSKI STANDARD
SIST EN 60282-1:2010/A1:2014
01-december-2014

Visokonapetostne varovalke - 1. del: Tokovno omejlne varovalke (IEC 60282-1:2009/A1:2014)

High-voltage fuses - Part 1: Current-limiting fuses (IEC 60282-1:2009/A1:2014)

Hochspannungssicherungen - Teil 1: Strombegrenzende Sicherungen (IEC 60282-1:2009/A1:2014)

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Fusibles à haute tension - Partie 1: Fusibles limiteurs de courant CEI 60282-1:2009/A1:2014

[SIST EN 60282-1:2010/A1:2014](https://standards.iteh.ai/catalog/standards/sist/7a48a65e-b09b-4980-8485-54165b145b17/sist-en-60282-1-2010-a1-2014)

Ta slovenski standard je istoveten z: EN 60282-1:2009/A1:2014

ICS:

29.120.50	Varovalke in druga medtokovna zaščita	Fuses and other overcurrent protection devices
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SIST EN 60282-1:2010/A1:2014 **en,fr**

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EUROPEAN STANDARD

EN 60282-1:2009/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2014

ICS 29.120.50

English Version

High-voltage fuses - Part 1: Current-limiting fuses (IEC 60282-1:2009/A1:2014)

Fusibles à haute tension - Partie 1: Fusibles limiteurs de
courant
(CEI 60282-1:2009/A1:2014)

Hochspannungssicherungen - Teil 1: Strombegrenzende
Sicherungen
(IEC 60282-1:2009/A1:2014)

This amendment A1 modifies the European Standard EN 60282-1:2009; it was approved by CENELEC on 2014-08-26. 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.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of document 32A/311/FDIS, future IEC 60282-1:2009/A1, prepared by SC 32A "High-voltage fuses", of IEC/TC 32 "Fuses" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60282-1:2009/A1:2014.

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) 2015-05-26
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-08-26

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Endorsement notice
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The text of the International Standard IEC 60282-1:2009/A1:2014 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, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC/TR 62655	2013	Tutorial and application guide for high-voltage fuses	-	-

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IEC 60282-1

Edition 7.0 2014-07

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

High-voltage fuses – **STANDARD PREVIEW**
Part 1: Current-limiting fuses
(standards.iteh.ai)

Fusibles à haute tension – **SIST EN 60282-1:2010/A1:2014**
Partie 1: Fusibles limiteurs de courant
34183bf43b17/sist-en-60282-1-2010-a1-2014

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FOREWORD

This amendment has been prepared by subcommittee 32A: High-voltage Fuses, of IEC technical committee 32: Fuses.

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

FDIS	Report on voting
32A/311/FDIS	32A/312/RVD

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

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

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<https://standards.iteh.ai/catalog/standards/sist/7a48a65e-b09b-4980-8485-34183bf43b17/sist-en-60282-1-2010-a1-2014>

1.2 Normative references

Add, after IEC 62271-105:2002, the following reference:

IEC TR 62655:2013, *Tutorial and application guide for high-voltage fuses*

3.1.6 breaking capacity

Replace the existing text of definition 3.1.6 by the following new text:

value of prospective current that a fuse-link is capable of breaking at a stated voltage under prescribed conditions of use and behaviour

[SOURCE: IEC 60050-441, 441-17-08, modified (modified definition and Notes removed)]

3.1.14 cut-off (current) characteristic; let-through (current) characteristic

Replace the existing text by the following new text:

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curve giving the cut-off current as a function of the r.m.s prospective current, under stated conditions of operation

Note 1: The values of the cut-off currents are the maximum values that can be reached whatever the degree of asymmetry.

[SOURCE: IEC 60050-441, 441-17-14, modified (modified definition and Note to entry)]

3.1.15 recovery voltage

Replace the existing text of definition 3.1.15 by the following new text:

voltage which appears across the terminals of a fuse after the breaking of the current

Note 1: This voltage may be considered in two successive intervals of time, one during which a transient voltage exists, followed by a second one during which the power frequency recovery voltage alone exists.

[SOURCE: IEC 60050-441, 441-17-25, modified (modified definition and Note to entry)]

Add the following new definition:

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3.1.22 maximum breaking current (standards.iteh.ai)

maximum value of prospective current that a fuse-link is capable of breaking at a stated voltage under prescribed conditions of use and behaviour

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3.3.2 classes

Replace

"See 9.3.3."

by

"See IEC/TR 62655:2013, 4.2.2."

3.3.4 General-Purpose fuse

Replace the existing definition by the following new definition:

current-limiting fuse capable of breaking, under specified conditions of use and behaviour, all currents from the rated maximum breaking current down to a low value equal to the current that causes melting of the fuse element in 1 h

4.1 General

Replace the existing text of point b)5) by the following new text: