

SLOVENSKI STANDARD**SIST HD 60269-2:2008****01-februar-2008****BUXca Yý U.****SIST EN 60269-2:1995****SIST EN 60269-2:1995/A1:1999****SIST EN 60269-2:1995/A2:2003****SIST HD 60269-2-1:2006**

Nizkonapetostne varovalke - 2. del: Dodatne zahteve za varovalke, ki jih uporabljajo strokovne osebe (uporaba varovalk zlasti v industriji) - Primeri tipov standardiziranih varovalk od A do I (IEC 60269-2:2006)

Low-voltage fuses - Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) - Examples of standardized systems of fuses A to I (IEC 60269-2:2006)

[SIST HD 60269-2:2008](https://standards.iteh.ai/catalog/standards/sist/4cf7381b-7d7d-44f5-bae8-dc083b79b24f/sist-hd-60269-2-2008)

Niederspannungssicherungen - Teil 2: Zusätzliche Anforderungen an Sicherungen zum Gebrauch durch Elektrofachkräfte bzw. elektrotechnisch unterwiesene Personen (Sicherungen überwiegend für den industriellen Gebrauch) - Beispiele für genormte Sicherungssysteme A bis I (IEC 60269-2:2006)

Fusibles basse tension - Partie 2: Exigences supplémentaires pour les fusibles destinés à être utilisés par des personnes habilitées (fusibles pour usages essentiellement industriels) - Exemples de systèmes de fusibles normalisés A à I (IEC 60269-2:2006)

Ta slovenski standard je istoveten z: HD 60269-2:2007

ICS:

29.120.50

SIST HD 60269-2:2008**en,fr,de**

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SIST HD 60269-2:2008

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English version

**Low-voltage fuses -
Part 2: Supplementary requirements for fuses for use
by authorized persons (fuses mainly for industrial application) -
Examples of standardized systems of fuses A to I
(IEC 60269-2:2006, modified)**

Fusibles basse tension -
Partie 2: Exigences supplémentaires
pour les fusibles destinés à être utilisés
par des personnes habilitées (fusibles
pour usages essentiellement industriels) -
Exemples de systèmes de fusibles
normalisés A à I
(CEI 60269-2:2006, modifiée)

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Gebrauch) -
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Sicherungssysteme A bis I
(IEC 60269-2:2006, modifiziert)

<https://standards.iteh.ai/catalog/standards/sist/4cf1c605-2008-4888-885b-79b29/sist-hd-60269-2-2008>

This Harmonization Document was approved by CENELEC on 2007-03-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document at national level.

Up-to-date lists and bibliographical references concerning such national implementations may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French, German).

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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 32B/487/FDIS, future edition 3 of IEC 60269-2, prepared by SC 32B, Low-voltage fuses, of IEC TC 32, Fuses, was submitted to the IEC-CENELEC parallel vote.

A draft amendment, containing common modifications to document 32B/487/FDIS that are technically identical to the common modifications in HD 60269-2-1:2005, was prepared by Reporting Secretariat CLC/SR 32B, Low-voltage fuses, and was submitted to the formal vote.

The combined texts were approved by CENELEC as HD 60269-2 on 2007-03-01.

This Harmonization Document partially supersedes EN 60269-2:1995 + A1:1998 + A2:2002 and also supersedes HD 60269-2-1:2005.

This document is to be used in conjunction with EN 60269-1:2007.

This Part 2 supplements or modifies the corresponding clauses or subclauses of Part 1.

Where no change is necessary, this Part 2 indicates that the relevant clause or subclause applies.

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) 2008-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2010-03-01

Tables and figures which are additional to those in Part 1 are numbered starting from 101.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60269-2:2006 was approved by CENELEC as a Harmonization Document with agreed common modifications as given below.

COMMON MODIFICATIONS

1 General scope

Replace the note by:

NOTE The following fuse systems are standardized systems in respect to their safety aspects. The National Committees shall select at least one complete fuse system of this standard for their national standards. The time current characteristics "gD" and "gN" are only relevant for the fuse system H.

Fuse system A – Fuses with fuse-links with blade contacts (NH fuse system)

6.2 Marking of fuse-links

Replace the first sentence after the table by the following:

Fuse-links with isolated gripping-lugs shall be marked in a place visible at the front with the graphical symbol of a gripping-lug in a square.

7.2 Insulating properties

Add:

Insulating parts of the fuse-base supporting live parts have to pass the test at PTI 500 M according to EN 60112 on five specimens.

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https://standards.iteh.ai/catalog/standards/sist/4cf7381b-7d7d-44f5-bae8-de8885b79b29/sist-hd-60269-2-2008](https://standards.iteh.ai/catalog/standards/sist/4cf7381b-7d7d-44f5-bae8-de8885b79b29/sist-hd-60269-2-2008)

8.2.6 Resistance to tracking

Replace the paragraph by the following:

The test of the fuse-links and -bases is carried out according to EN 60112 using test solution B. Five specimens shall be tested and shall pass at PTI 500 M. Ceramic isolators need not to be tested.

8.5.5.1 Verification of the peak withstand current of a fuse-base

Add at the end of the first sentence:

... or if the minimum withdrawal forces according to 8.11 are exceeded.

Bibliography

Add the following notes for the standards indicated:

IEC 60060-2	NOTE	Harmonized as EN 60060-2 1994 (not modified).
IEC 60060-3	NOTE	Harmonized as EN 60060-3:2006 (not modified).
IEC 60529	NOTE	Harmonized as EN 60529:1991 (not modified).
ISO 1207	NOTE	Harmonized as EN ISO 1207:1994 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 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 60060-1	- ¹⁾	High-voltage test techniques - Part 1: General definitions and test requirements	HD 588.1 S1	1991 ²⁾
IEC 60112	- ¹⁾	Method for the determination of the proof and the comparative tracking indices of solid insulating materials	EN 60112	2003 ²⁾
IEC 60269-1	- ¹⁾	Low-voltage fuses - Part 1: General requirements	EN 60269-1	2007 ²⁾
IEC 60664-1	- ¹⁾	Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests	EN 60664-1	2003 ²⁾
IEC 60999	Series	Connecting devices - Electrical copper conductors - Safety requirements for screw- type and screwless-type clamping units	EN 60999	Series
ISO 6988	- ¹⁾	Metallic and other non organic coatings - Sulfur dioxide test with general condensation of moisture	EN ISO 6988	1994 ²⁾

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

INTERNATIONAL STANDARD

IEC 60269-2

Third edition
2006-11

Low-voltage fuses –

Part 2:

Supplementary requirements for fuses for use by authorized persons

(fuses mainly for industrial application) –

Examples of standardized systems of fuses A to I

[SIST HD 60269-2:2008](https://standards.iteh.ai/catalog/standards/sist/4cf7381b-7d7d-44f5-bae8-de8885b79b29/sist-hd-60269-2-2008)

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

PRICE CODE **XH**

For price, see current catalogue

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