
Nizkonapetostne varovalke - 3. del: Dodatne zahteve za varovalke, ki jih uporabljajo nestrokovne osebe (uporaba varovalk zlasti v gospodinjstvu in podobnih okoljih) - Primeri standardiziranih sistemov varovalk od A do F - Dopolnilo A2 (IEC 60269-3:2010/A2:2019)

Low-voltage fuses - Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household or similar applications) - Examples of standardized systems of fuses A to F (IEC 60269-3:2010/A2:2019)

Niederspannungssicherungen - Teil 3: Zusätzliche Anforderungen an Sicherungen zum Gebrauch durch Laien (Sicherungen überwiegend für Hausinstallationen und ähnliche Anwendungen) - Beispiele für genormte Sicherungssysteme A bis F (IEC 60269-3:2010/A2:2019)

Fusibles basse tension - Partie 3: Exigences supplémentaires pour les fusibles destinés à être utilisés par des personnes non qualifiées (fusibles pour usages essentiellement domestiques et analogues) - Exemples de systèmes de fusibles normalisés A à F (IEC 60269-3:2010/A2:2019)

Ta slovenski standard je istoveten z: HD 60269-3:2010/A2:2022

ICS:

29.120.50	Varovalke in druga nadtokovna zaščita	Fuses and other overcurrent protection devices
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SIST HD 60269-3:2010/A2:2023	en,fr,de
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ICS 29.120.50

English Version

Low-voltage fuses - Part 3: Supplementary requirements for
fuses for use by unskilled persons (fuses mainly for household or
similar applications) - Examples of standardized systems of
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(Sicherungen überwiegend für Hausinstallationen und
ähnliche Anwendungen) - Beispiele für genormte
Sicherungssysteme A bis F
(IEC 60269-3:2010/A2:2019)

This amendment A2 modifies the Harmonization Document HD 60269-3:2010; it was approved by CENELEC on 2022-10-19. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this amendment at national level.

Up-to-date lists and bibliographical references concerning such national implementations 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).

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, Türkiye 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

HD 60269-3:2010/A2:2022 (E)**European foreword**

The text of document 32B/650/CDV, future IEC 60269-3/A2, prepared by SC 32B "Low-voltage fuses" of IEC/TC 32 "Fuses" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as HD 60269-3:2010/A2:2022.

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) 2023-07-19
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2025-10-19

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

iTeh STANDARD PREVIEW

The text of the International Standard IEC 60269-3:2010/A2:2019 was approved by CENELEC as a European Standard without any modification.

[SIST HD 60269-3:2010/A2:2023](https://standards.iteh.ai/catalog/standards/sist/6d60443c-9620-4f19-ae80-a28318ab2574/sist-hd-60269-3-2010-a2-2023)

<https://standards.iteh.ai/catalog/standards/sist/6d60443c-9620-4f19-ae80-a28318ab2574/sist-hd-60269-3-2010-a2-2023>



INTERNATIONAL STANDARD

NORME INTERNATIONALE



AMENDMENT 2
AMENDEMENT 2

Low-voltage fuses – Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications) – Examples of standardized systems of fuses A to F

Fusibles basse tension – Partie 3: Exigences supplémentaires pour les fusibles destinés à être utilisés par des personnes non qualifiées (fusibles pour usages essentiellement domestiques et analogues) – Exemples de systèmes de fusibles normalisés A à F

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FOREWORD

This amendment has been prepared by subcommittee 32B: Low-voltage fuses, of IEC technical committee 32: Fuses

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

CDV	Report on voting
32B/650/CDV	32B/666/RVC

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 website 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.

IMPORTANT – The “colour inside” logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this publication using a colour printer.

CONTENTS

In the list of figures, add, between Figure 103 and Figure 104, the following new line:

"Figure 127 – Time-current zone for "gG" fuse-links 40 A"

In the list of tables, replace "Table B.1" with "Table BB.1".

Fuse system A – D-type fuse system**Table 101 – Maximum values of power dissipation**

Add, between the values 35 and 50, the following new line:

40 4,4 5,7

In the first column, replace "35^a" with "35".

Delete table footnote a.

5.6.1 Time-current characteristics, time-current zones and overload curves

In the first and second paragraphs, replace:

"Figures 101 to 103"

with:

"Figures 101 to 103 and Figure 127".

7.1.3 Fuse-contacts

In the second paragraph, replace:

"Fuse-link contacts of rated currents 50 A and above shall ..."

with:

"Fuse-link contacts of rated currents 50 A and above and fuse-link contacts of D02 fuse-links of rated currents 32 A up to 40 A shall ...".

<https://standards.iteh.ai/catalog/standards/sist/6d60443c-9620-4f19-ae80-a28318ab2574/sist-hd-60269-3-2010-a2-2023>

Table 108 – I^2t values for the discrimination with circuit breakers

Replace the values of 32A-type, added by Amendment 1, as follows:

32	1 400	1 180
----	-------	-------

Add, between the values 35 and 50, the following new line:

40	2 500	1 580
----	-------	-------

8.3.3 Measurement of the power dissipation of the fuse-link

Replace:

"The power dissipation shall be measured between the end caps of the fuse-link (see Figure 109)."

with:

"The points at which the power dissipation is measured are marked with B and C in Figure 109."

8.3.4.1 Temperature rise of the fuse-holder

Replace:

"The test shall be made with a dummy fuse-link as specified in Figure 104 for the rated current of the fuse-holder (see Figure 109)."

with:

"The test shall be made with a dummy fuse-link as specified in Figure 104 for the rated current of the fuse-holder. The points at which the temperature rise is measured are marked with A and D in Figure 109."

8.3.5 Acceptability of test results

Replace, in the second paragraph, "Table 114" with "Table 101".

8.10.2 Test method

Replace, in the tenth paragraph:

"The points between which the voltage drop is measured are marked A, B, C and D in Figure 109."

with:

https://standards.iteh.ai/catalog/standards/sist/6d60443c-9620-4f19-ae80-60269-3-2010-a2-2023
"Measuring points are marked in Figure 109."

Add, after Figure 103, the following new figure:

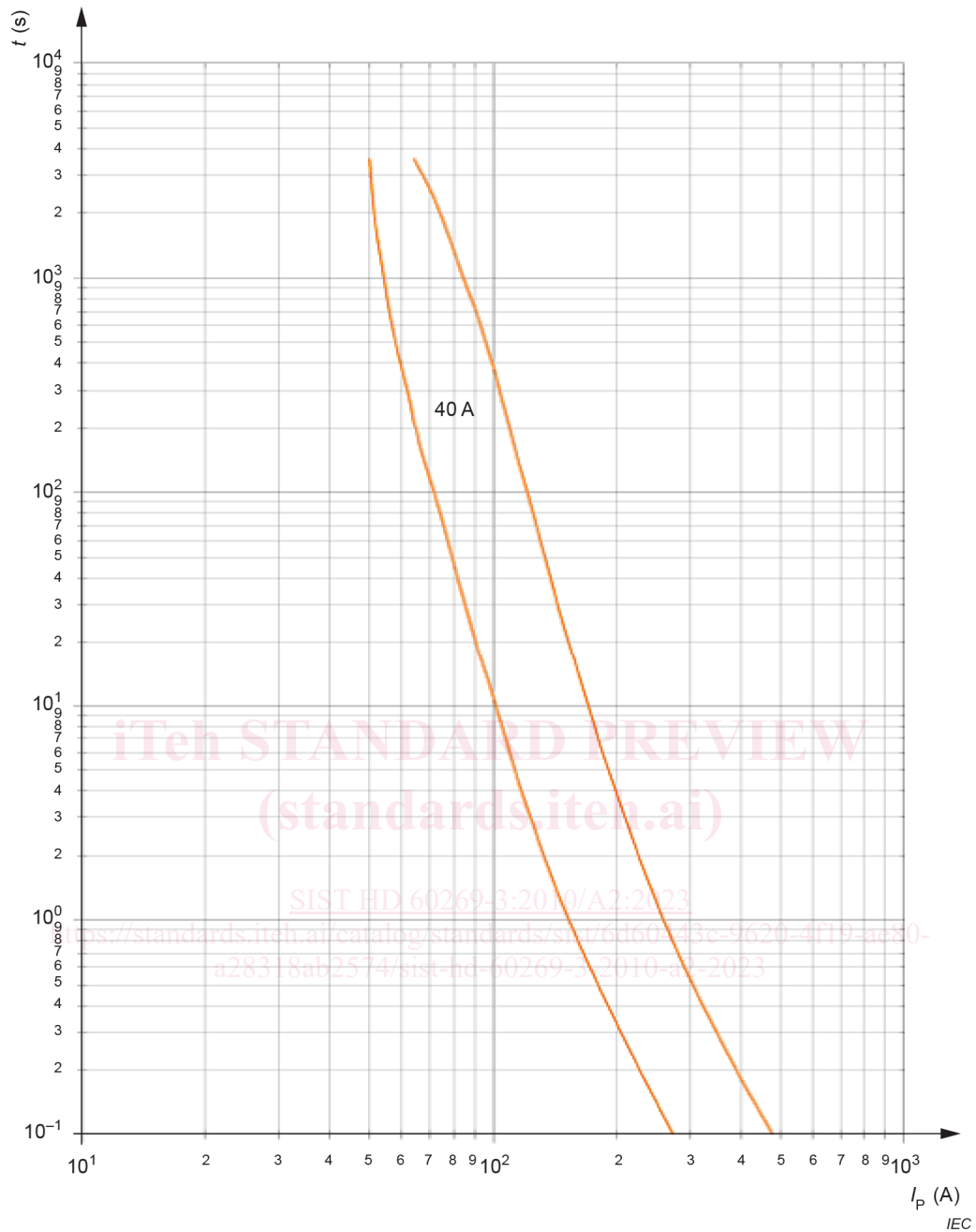


Figure 127 – Time-current zone for "gG" fuse-links 40 A

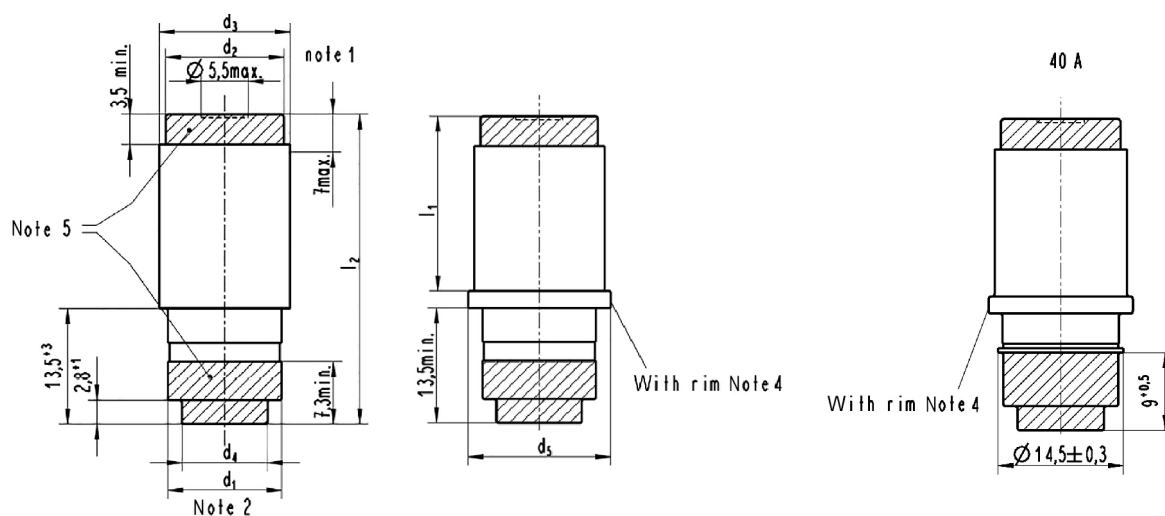
Figure 109 – Measuring points for the voltage drop (B, C) or the temperature rise (A, D)

Replace the figure title with the following new title:

"Figure 109 – Measuring points according to 8.3.3, 8.3.4.1 and 8.10.2 of fuse system A"

Figure 110 – Fuse-link, D-type. Sizes D01-D03

Replace the two drawings in Figure 110 with the following three drawings:



Delete, for D02 and under value 35, "(note 3)".

Add, for D02 and between the values 35 and 50, the following new line:

40 13,3 13,8 15,3⁰_{-0,8} 10 16,7 (max) 18,5 36 1

[SIST HD 60269-3:2010/A2:2023](https://standards.iteh.ai/catalog/standards/sist/6d60443c-9620-4f19-ae80-318ab2574/sist-hd-60269-3-2010-a2-2023)

<https://standards.iteh.ai/catalog/standards/sist/6d60443c-9620-4f19-ae80-318ab2574/sist-hd-60269-3-2010-a2-2023>

Delete NOTE 3 completely.