SLOVENSKI STANDARD
SIST EN 60269-1:1995/A2:1999

01-julij-1999

Low-voltage fuses - Part 1: General requirements - Amendment A2 (IEC 60269-1:1986/A2:1995, modified)

Low-voltage fuses -- Part 1: General requirements

Niederspannungssicherungen -- Teil 1: Allgemeine Anforderungen

Fusibles basse tension -- Partie 1: Règles générales

Ta slovenski standard je istoveten z: EN 60269-1:1989/A2:1997

ICS:

29.120.50	Xæ[çæ\^Ág Ás}ˇ*æ{^åd\[ç}æÁ æz ãæ	Fuses and other overcurrent protection devices

SIST EN 60269-1:1995/A2:1999   **en**

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60269-1/A2

January 1997

UDC 621.316.923.027.2:621.37.001.365
ICS 29.120.50

Descriptors: Electrical equipment, low-voltage switchgear, low-voltage fuses, characteristics, test

English version

Low-voltage fuses
Part 1: General requirements
(IEC 269-1:1986/A2:1995, modified)

Fusibles basse tension
Partie 1: Règles générales
(CEI 269-1:1986/A2:1995, modifiée)

Niederspannungssicherungen
Teil 1: Allgemeine Anforderungen
(IEC 269-1:1986/A2:1995, modifiziert)

This amendment A2 modifies the European Standard EN 60269-1:1989; it was approved by CENELEC on 1996-10-01. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and 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

Ref. No. EN 60269-1:1989/A2:1997 E

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EN 60269-1:1989/A2:1997

Foreword

The text of amendment 2:1995 to the International Standard IEC 269-1:1986, prepared by SC 32B, Low-voltage fuses, of IEC TC 32, Fuses, together with common modifications prepared by the CENELEC BTTF 56-2, Low voltage fuses, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A2 to EN 60269-1:1989 on 1996-10-01.

The following dates were fixed:

- latest date by which the amendment EN has to be
  implemented at national level by publication of
  an identical national standard or by endorsement (dop) 1997-09-01

- latest date by which the national standards conflicting
  with the amendment have to be withdrawn (dow) 1997-09-01

For products which have complied with EN 60269-1:1989 and its amendment A1:1994 before 1997-09-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2002-09-01.

Endorsement notice

The text of amendment 2:1995 to the International Standard IEC 269-1:1986 was approved by CENELEC as an amendment to the European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

5.6.2   Conventional times and currents

Delete the replacement.

5.6.3   Gates

Delete the addition.

5.7.1   Breaking range and utilization category

Delete the addition.

7.7 I^2t characteristics

Delete the addition.

8.3.1   Arrangement of the fuse

Delete the replacement.

8.4.3.3.1 Time-current characteristics

Delete the replacement.

APPENDIX B

B1.   Evaluation of the pre-arcing I^2t at 0,01 s

Replace the replacement by:

F = 0,7 for "gG" and "gM" fuse-links

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NORME
INTERNATIONALE

INTERNATIONAL
STANDARD

CEI
IEC
269-1

1986

AMENDEMENT 2
AMENDMENT 2

1995-11

Amendement 2

Fusibles basse tension

Partie 1:
Règles générales

Amendment 2

Low-voltage fuses

Part 1:
General requirements

Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE   **E**

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269-1 Amend. 2 © IEC :1995   – 3 –

FOREWORD

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

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

FDIS	Report on voting
32B/239/FDIS	32B/252/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.

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CONTENTS

Replace the existing titles of the following subclauses by the following new titles:

3.9   Discrimination of fuse-links

7.8   Overcurrent discrimination of fuse-links

Page 25

3.4   *Voltage*

Add the following sentence at the end of the subclause:

For fuses rated 690 V the maximum system voltage shall not exceed 105 % of the rated voltage of the fuse.

Page 27

Replace the existing title of subclause 3.9 by the following new title:

3.9   *Discrimination of fuse-links*

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5.2   *Rated voltage*

Replace the existing table I by the following new table I:

Series I (V)	Series II (V)
	120*
	208
230*	240
	277*
400*	415
500	480*
690*	600

Page 33

5.6.2   *Conventional times and currents*

Replace the text of the first paragraph by the following new text:

The conventional times and currents are given in table II. For "gD" and "gN" fuse-links, conventional times and currents are given in IEC 269-2-1, Section V.

Page 35

5.6.3   *Gates*

Add the following text at the end of the subclause:

For "gD" and "gN" fuse-links, gates are given in IEC 269-2-1, Section V.

5.7.1   *Breaking range and utilization category*

Add the following examples at the end of the subclause:

– "gD" indicates time-delay fuse-links with a full range breaking capacity;
– "gN" indicates non-time-delay fuse-links with a full range breaking capacity.

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7.5   *Breaking capacity*

Replace in table V, on page 47, the value "301 – 660" by "301 – 690" and the value "661 – 800" by "691 – 800".