

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

ICS 29.120.50

National foreword

This British Standard is the UK implementation of HD 60269-3:2007. It is derived from but not identical with IEC 60269-3:2007. It supersedes BS 1361:1971 which will be withdrawn on 1 March 2010. Together with BS 88-1:2007 it supersedes BS EN 60269-3:1995 which will be withdrawn on 1 March 2010.

This standard is part of a restructured series of British Standards for Low Voltage Fuses. These cover the related parts and examples of systems of fuses given in the associated IEC 60269:2006 series of standards.

These restructured British Standards together with their IEC counterparts are:

- BS 88-1:2007 — *General requirements* (IEC 60269-1)
- BS 88-2:2007 — *Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application)* (IEC 60269-2, Fuse systems E, G and I)
- BS 88-3:2007 — *Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications)* (IEC 60269-3, Fuse system C)
- BS 88-4:2007 — *Supplementary requirements for fuse-links for the protection of semiconductor devices* (IEC 60269-4)

This standard covers the following British Fuse system that is included in HD 60269-3:2007:

Fuse system C — Cylindrical fuses (BS cylindrical fuse system)

The text for BS 88-3:2007 has been extracted from IEC 60269-3:2006 and is identical to the text for Fuse system C. However, wherever a reference is made to IEC 60269-1 in the text this should be taken as a reference to BS 88-1 (BS EN 60269-1).

The UK participation in its preparation was entrusted to Technical Committee PEL/32, Fuses.

A list of organizations represented on PEL/32 can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

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**Low-voltage fuses -
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for use by unskilled persons
(fuses mainly for household or similar applications) -
Examples of standardized systems of fuses A to F
(IEC 60269-3:2006, modified)**

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
(CEI 60269-3:2006, modifiée)

Niederspannungssicherungen -
Teil 3: Zusätzliche Anforderungen
an Sicherungen zum Gebrauch
durch Laien (Sicherungen überwiegend
für Hausinstallationen
oder ähnliche Anwendungen) -
Beispiele für genormte
Sicherungssysteme A bis F
(IEC 60269-3:2006, modifiziert)

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/484/FDIS, future edition 3 of IEC 60269-3, 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/484/FDIS, 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 60269-3 on 2007-03-01.

This Harmonization Document partially supersedes EN 60269-3:1995 + A1:2003 and also supersedes HD 60269-3-1:2004.

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

This Part 3 supplements or modifies the corresponding clauses or subclauses of Part 1.

Where no change is necessary, this Part 3 indicates that the relevant clause or subclause applies.

The following dates were fixed:

- latest date by which the HD has to be implemented
at national level by publication of a harmonized
national standard or by endorsement (dop) 2008-03-01
- latest date by which the national standards conflicting
with the HD 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 60269-3:2006 was approved by CENELEC as a Harmonization Document with agreed common modifications.

INTERNATIONAL STANDARD

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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

*This **English-language** version is derived from the original **bilingual** publication by leaving out all French-language pages. Missing page numbers correspond to the French-language pages.*



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Fuse system C – Cylindrical fuses (BS cylindrical fuse system)

Remark: previously Section IIB in IEC 60269-3-1

1 General

IEC 60269-1 applies with the following supplementary requirements.

1.1 Scope

The following additional requirements apply to “gG” fuses for use by unskilled persons in domestic or similar applications having cylindrical fuse-links:

Type I: rated currents up to and equal 45 A a.c. and a rated voltage of 240 V a.c.

Type II: rated currents up to and equal 100 A a.c. and a rated voltage of 415 V a.c.

The following characteristics of the fuses are specified in addition to IEC 60269-1:

- rated voltage;
- rated power dissipation of the fuse-link and rated acceptable power dissipation of a fuse-holder;
- time-current characteristic;
- I^2t characteristics and conventional times and currents;
- rated breaking capacity;
- marking on the fuse;
- standard conditions for construction;
- tests.

2 Terms and definitions

IEC 60269-1 applies.

3 Conditions for operation in service

IEC 60269-1 applies.

4 Classification

IEC 60269-1 applies.