AS/NZS 60269.3.0:2000
IEC 60269-3:1987

Australian/New Zealand Standard™

Low-voltage fuses

Part 3.0: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications)

Standards Australia

STANDARDS NEW ZEALAND

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL/7, Power Switchgear. It was approved on behalf of the Council of Standards Australia on 20 September 2000 and on behalf of the Council of Standards New Zealand on 24 November 2000. It was published on 6 December 2000.

The following interests are represented on Committee EL/7:

Australasian Railway Association
Australian British Chamber of Commerce
Australian Electrical and Electronic Manufacturers Association
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Institution of Engineers Australia
Testing Interests (Australia)
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/7, Power Switchgear to supersede, in part, AS 2005.30–1991.

The objective of this Standard is to provide supplementary requirements for those stated in AS/NZS 60269.1:2000 for fuses designed for use by unskilled persons in domestic and similar applications with rated currents not exceeding 100 A and rated voltages not exceeding 500 V a.c.

This Standard is Part 3.0 of a series which, when complete, will consist of the following:

AS/NZS		
60269	Low-voltage fuses	
60269.1	Part 1:	General requirements
60269.2.0	Part 2.0:	Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application)
60269.2.1	Part 2.1:	Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application)– Sections I to V: Examples of types of standardized fuses
60269.3.0	Part 3.0:	Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications) (this Standard)
60269.3.1	Part 3.1:	Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications)– Sections I to IV
60269.4.0	Part 4.0:	Supplementary requirements for fuse-links for the protection of semi-conductor devices
60269.4.1	Part 4.1:	Supplementary requirements for fuse-links for the protection of semi-conductor devices–Sections I to III

The requirements of this Standard do not apply to fuses manufactured to AS 3135–1997.

The main differences between this Standard and AS 2005.30—1991 are:

(a) AS 2005.30 classified according to rated voltage (240 V or 415 V) and rated current. This Standard classifies according to fuse system and applies up to 500V.

(b) Requirement for identifying colours has been removed.

(c) All details for examples of standardized fuses have been placed in AS/NZS 60269.3.1.

This Standard is identical with and has been reproduced from IEC 60269-3:1987, *Low-voltage fuses* Part 3: *Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications).*

A reference to an International Standard identified in the normative references clause by strikethrough (~~example~~) is replaced by a reference to the Australian or Australian/New Zealand Standard(s) listed immediately thereafter and identified by shading (example). Where the struck-through referenced document and the referenced Australian or Australian/New Zealand Standard are identical, this is indicated in parenthesis after the title of the latter.

In view of the fact that this Standard should be read together with AS/NZS 60269.1, *Low-voltage fuses*, Part 1: *General requirements*, the numbering of its clauses and sub-clauses is made to correspond to the latter. Regarding the tables, their numbering also corresponds to that of AS/NZS 60269.1, however, when additional tables appear, they are referred to by capital letters, for example, Table A, Table B, etc.

As this Standard is reproduced from an International Standard, the following applies:

(a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.

(b) In the source text 'this International Standard' should read 'this Australian/New Zealand Standard'.

(c) A full point should be substituted for a comma when referring to a decimal marker.

The term "informative" has been used in this Standard to define the application of the appendix to which it applies. An "informative" appendix is only for information and guidance.

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Any IEC table, figure or passage of text that is struck-through is not part of this Standard. Any Australian/New Zealand table, figure or passage of text that is added (and identified by shading) is part of this Standard.

1 General

Fuses within the scope of the requirements of this standard shall comply with all requirements of IEC Publication 60269-1, if not otherwise indicated hereinafter, and shall also comply with the supplementary requirements laid down below.

Note. - If fuses which are designed for use by unskilled persons are intended to be installed where fuses for use by authorized persons are principally installed, they should also comply with the requirements of IEC Publication 60269-2: Low-voltage Fuses, Part 2: Supplementary Requirements for Fuses for Use by Authorized Persons (Fuses Mainly for Industrial Application).

1.1 Scope

These requirements apply to "gG" fuses for use by unskilled persons for domestic and similar applications with rated currents not exceeding 100 A and rated voltages not exceeding 500 V a.c. Additional specific requirements are given in IEC Publication 60269-3-1:*Low-voltage fuses*, Part 3: *Supplementary requirements for fuses for use by unskilled person Sections I-IV* for the fuse-systems described therein and for fuse-links primarily for use in plugs.

1.2 Object

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

- rated voltage,
- rated power-dissipation of a fuse-link and rated power-acceptance of fuse-holders,
- time-current characteristic,
- gates, I^2t characteristics and conventional times and currents,
- rated breaking capacity,
- markings on fuse,
- standard conditions for construction,
- tests.

1.3 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 60269. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this part of IEC 60269 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below: