

Australian Standard™

## Low-voltage fuses

**Part 4.1: Supplementary requirements  
for fuse-links for the protection of  
semiconductor devices—Sections I to  
III—Examples of types of standardized  
fuse-links**

This Australian Standard was prepared by Committee EL-007, Power Switchgear. It was approved on behalf of the Council of Standards Australia on 20 December 2004.  
This Standard was published on 1 February 2005.

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The following are represented on Committee EL-007:

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*This Standard was issued in draft form for comment as DR 04503.*

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### **Part 4.1: Supplementary requirements for fuse-links for the protection of semiconductor devices—Sections I to III—Examples of types of standardized fuse-links**

First published as AS 60269.4.1—2005.

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Published by Standards Australia GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 6458 4

## PREFACE

This Standard was prepared by the Standards Australia Committee EL-007, Power Switchgear.

The objective of this Standard is to provide supplementary requirements and tests to AS 60269.1 and AS 60269.4.0 for specific examples of standardized fuse-links for the protection of semiconductor devices.

This Standard is Part 4.1 of a series which, when complete, will consist of the following:

AS

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 VI: 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)
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: Examples of types of standardized fuses
60269.4.0	Part 4.0: Supplementary requirements for fuse-links for the protection of semiconductor devices
60269.4.1	Part 4.1: Supplementary requirements for fuse-links for the protection of semiconductor devices—Sections I to III: Examples of types of standardized fuse-links(this Standard)

This Standard is identical with, and has been reproduced from, IEC 60269-4-1, Ed.1.0(2002), *Low-voltage fuses—Part 4-1: Supplementary requirements for fuse-links for the protection of semiconductor devices—Sections I to III: Examples of types of standardized fuse-links*.

In view of the fact that this standard should be read together with AS 60269.1 and AS 60269.4, the numbering of its clauses and subclauses are made to correspond to these publications. Regarding the tables, their numbering also corresponds to that of AS 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 Standard’.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

The terms ‘normative’ and ‘informative’ are used to define the application of the annex to which they apply. A normative annex is an integral part of a standard, whereas an informative annex is only for information and guidance.

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## STANDARDS AUSTRALIA

## Australian Standard

## Low-voltage fuses

**Part 4.1: Supplementary requirements for fuse-links for the protection of semiconductor devices—Sections I to III—  
Examples of types of standardized fuse-links****1 General**

References to international standards that are struck through in this clause are replaced by references to Australian Standards that are listed immediately thereafter and identified by shading. Any Australian Standard that is identical to the International Standard it replaces is identified as such.

Fuse-links for the protection of semiconductor devices according to the following sections shall comply with all subclauses of

- ~~IEC 60269-1: Low-voltage fuses—Part 1: General requirements;~~
- AS 60269.1, *Low-voltage fuses, Part 1: General requirements* (identical to IEC 60269-1) and
- ~~IEC 60269-4: Low-voltage fuses—Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices~~
- AS 60269.4.0, *Low-voltage fuses, Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices* (identical to IEC 60269-4)

and shall comply with the requirements laid down in the relevant sections.

This standard is divided into three sections, each dealing with specific examples of standardized dimensions.

Section I: Fuse-links having bolted connections

Type A

Type B

Type C

Section II: Fuse-links with flush end connections

Type A

Type B

Section III: Fuse-links with cylindrical contact caps

Type A

This standard covers dimensional systems but does not standardize characteristics.

Fuse-links for the protection of semiconductor devices may also have the same dimensions as fuse-links to:

IEC 60269-2-1: Section I

IEC 60269-2-1: Section III

IEC 60269-3-1: Section I