

Australian Standard<sup>®</sup>

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**Low voltage fuses—Fuses with enclosed fuse-links**

**Part 21.1: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application)—  
Standardized fuse systems—  
Fuses with fuse-links with blade contacts**

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This Australian Standard was prepared by Committee EL/6, Industrial Switchgear and Controlgear. It was approved on behalf of the Council of Standards Australia on 2 April 1990 and published on 6 August 1990.

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The following interests are represented on Committee EL/6:

Australian–British Chamber of Commerce  
Australian Electrical and Electronic Manufacturers Association  
Bureau of Steel Manufacturers of Australia  
Electrical Contractors Association of Australia  
Electricity Supply Association of Australia  
Independent Electrical Switchboard Manufacturers Association  
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**Part 21.1: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application)—Standardized fuse systems—Fuses with fuse-links with blade contacts**

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AS 2005.21.1—1990 first published as Part of  
AS 2005.2—1977.  
AS 2005.2—1977 revised and redesignated in part as  
AS 2005.21.1—1990.

## PREFACE

This Standard was prepared by the Standards Australia Committee on Industrial Switchgear and Controlgear as the second of three Standards to supersede AS 2005.2—1977, *Fuses with enclosed fuse-links (up to and including 1000 V a.c. and 1500 V d.c.)*, Part 2: *Fuses for industrial application*.

*The requirements of this Standard apply to standardized fuse systems for fuses with fuse-links with blade contacts. The clause numbering of this Standard is in line with AS 2005.10 and AS 2005.20:*

*Low voltage fuses—Fuses with enclosed fuse-links*

Part 10: *General requirements*; and

Part 20: *Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application)—Common requirements*

However, the clauses of this Standard cover only requirements different from or supplementary to those in AS 2005.10 and AS 2005.20 and so the clause numbering is not continuous, but relates directly to the above Standards.

Statements expressed in mandatory terms in Notes to figures are deemed to be requirements of this Standard.

This Standard is based on IEC 269–2–1, *Low-voltage fuses*, Part 2: *Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application)*, Section I, *Fuses with fuse-links with blade contacts*, and on IEC document 32B (Secretariat) 102.

Where this Standard deviates technically from IEC 269–2–1, Section I, a rule is inserted in the margin against the clause, table, figure or part thereof affected.

A summary of such deviations including any omissions and significant editorial rearrangements is given in Appendix A.

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## STANDARDS AUSTRALIA

## Australian Standard

## Low voltage fuses—Fuses with enclosed fuse-links

Part 21.1 — Supplementary requirements for fuses for use by authorized persons  
(fuses mainly for industrial application) — Standardized fuse systems —  
Fuses with fuse-links with blade contacts

## SECTION 1. SCOPE AND GENERAL

**1.1 SCOPE AND APPLICATION.**

**1.1.1 Scope.** The supplementary requirements in this Standard cover fuses with fuse-links having blade contacts intended to be replaced by means of a device, for example a replacement handle, which complies with the dimensions specified in Figures 2 and 3. Such fuses have rated currents from 16 A up to and including 1250 A and rated voltages up to and including 660 V a.c. or 440 V d.c.

**1.1.2 Application.** Standardized fuse systems for use by authorized persons which comply with this Standard shall also comply with all clauses of AS 2005.10 and AS 2005.20, unless otherwise specified herein.

NOTE: The clause numbers and table numbers in this Standard are the same as those used in AS 2005.10 and AS 2005.20. Additional tables herein are numbered 10 to 17 to distinguish them from the table numbers in AS 2005.10 and AS 2005.20. Sections and Clauses of AS 2005.10 and AS 2005.20 not amended herein are not repeated in this Standard.

**1.3 REFERENCED DOCUMENTS.** The documents below are referred to in this Standard.

## AS

1110	ISO metric hexagon precision bolts and screws
1939	Classification of degrees of protection provided by enclosures of electrical equipment
2005	Low voltage fuses—Fuses with enclosed fuse-links
2005.10	Part 10: General requirements
2005.20	Part 20: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial applications)—Common requirements
3000	SAA Wiring Rules
IEC	
269	Low-voltage fuses
269-2-1	Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) Sections I to III