

AS/NZS 60265.1:2001  
IEC 60265-1:1998  
IEC 60265-1:1998 Corr:2000

AS/NZS 60265.1

Australian/New Zealand Standard™

## High-voltage switches

**Part 1: Switches for rated voltages  
above 1 kV and less than 52 kV  
(IEC 60265-1:1998, MOD)**



Standards Australia



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NEW ZEALAND  
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## **AS/NZS 60265.1:2001**

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-007, Power Switchgear. It was approved on behalf of the Council of Standards Australia on 20 August 2001 and on behalf of the Council of Standards New Zealand on 24 August 2001. It was published on 17 October 2001.

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The following interests are represented on Committee EL-007:

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Australian Electrical and Electronic Manufacturers Association  
Electricity Supply Association of Australia  
Institution of Engineers Australia  
Testing Interests (Australia)  
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# Australian/New Zealand Standard™

## High-voltage switches

### Part 1: Switches for rated voltages above 1 kV and less than 52 kV (IEC 60265-1:1998, MOD)

Originated as AS C339—1967.  
Previous edition AS 1025.1—1984.  
Jointly revised and redesignated as AS/NZS 60265.1:2001.

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-007, Power Switchgear, to supersede AS 1025.1—1984.

The objective of this Standard is to establish requirements for general purpose, limited purpose and special purpose switches used in distribution systems.

This Standard is Part 1 of a two-Part Standard which, when complete, will consist of the following:

AS/NZS

60265 High-voltage switches

60265.1 Part 1: Switches for rated voltages above 1 kV and less than 52 kV (This Standard)

60265.2 Part 2: High-voltage switches for rated voltages of 52 kV and above

Requirements for high-voltage switches greater than 52 kV in Australia are currently given in AS 1025.2 *High-voltage a.c. switchgear and controlgear—Switches and switch-disconnectors* Part 2: *For rated voltages of 52 kV and above*. AS 1025.2 will be redesignated AS/NZS 60265.2 at its next revision.

This Standard is an adoption, with national modifications, and has been reproduced from, IEC 60265-1:1998, *High-voltage switches—Part 1: Switches for rated voltages above 1 kV and less than 52 kV*, including Corrigendum:2000 and has been varied as indicated to take account of Australian/New Zealand conditions.

Australian/New Zealand variations include the introduction of type testing, upon agreement between the manufacturer and user, for partial discharge, dielectric dissipation factor and radio interference voltage; routine testing, upon agreement between manufacturer and user, for partial discharge and dielectric dissipation factor; an Australian/New Zealand annex listing items to be agreed between the purchaser and the user; and an Annex ZZ which summarizes these variations.

Variations to IEC 60265-1:1998 are indicated at the appropriate places throughout this Standard. Strikethrough (~~example~~) identifies IEC tables, figures and passages of text which, for the purposes of this Australian/New Zealand Standard, are deleted. Where Australian/New Zealand tables, figures or passages of text are added, each is set in its proper place and identified by shading (example).

The provisions of AS/NZS 2650, *Common specifications for high-voltage switchgear and controlgear standards* are applicable to this Standard, where specifically called for. Clauses and subclauses thus applicable, as well as tables and figures are identified by reference to IEC 60694.

This Standard differs from AS 1025.1—1984 in the following areas:

- (a) General requirements and ratings.
- (b) Design and construction.
- (c) Type and routine tests.
- (d) Selection of switches for service and information to be given with tenders.
- (e) Operation and safety.

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.

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

The terms 'normative' and 'informative' have been used in this Standard 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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