

AS 2264—1995

IEC 466:1987

IEC 466:1987 Amendment 1:1994

Australian Standard<sup>®</sup>

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**A.C. insulation-enclosed switchgear  
and controlgear for rated voltages  
above 1 kV and up to and including  
38 kV**

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This Australian Standard was prepared by Committee EL/7, Power Switchgear. It was approved on behalf of the Council of Standards Australia on 7 April 1995 and published on 5 August 1995.

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The following interests are represented on Committee EL/2:

Australian-British Chamber of Commerce  
Australian Electrical and Electronic Manufacturers Association  
Electricity Supply Association of Australia  
Institution of Engineers, Australia  
Railways of Australia Committee  
Testing Authorities (Australia)  
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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/7 on Power Switchgear to supersede AS 2264—1985, *High voltage a.c. switchgear and controlgear—Insulation-enclosed for rated voltages above 1 kV and up to and including 36 kV*.

This Standard is the result of a consensus among representatives on the Joint Committee to produce it as an Australian Standard.

With the exception of Appendix ZZ, this Standard is equivalent in technical content but does not fully correspond in presentation to IEC 466 (1987), *A.C. insulation-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 38 kV*, including Amendment 1.

Appendix ZZ lists the Australian variations between this Standard and IEC 466. For the purposes of this Standard, the IEC text is amended, supplemented or replaced as set out in Appendix ZZ. These changes are indicated by a marginal bar against each clause, table, figure or part thereof affected. The changes required by Amendment 1 are indicated by double marginal bars against each clause, table, figure or part thereof.

The purpose of this edition is to bring it more into line with IEC 466. It is intended to be read in conjunction with AS 2650, *High-voltage a.c. switchgear and controlgear—Common requirements*, which is applicable unless otherwise specified in this Standard. In order to simplify the indication of corresponding requirements, the same numbering of clauses and subclauses is used in AS 2650. Amendments to these clauses and sub-clauses are given under the same references, whilst additional sub-clauses are numbered from 101. Additional annexes are lettered from AA.

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

- (a) The AS number is shown only on the cover and title page, while the international Standard number appears only on the cover.
- (b) In the source text ‘this International Standard’ should read ‘this Australian Standard’.
- (c) A full point substitutes for a comma when referring to a decimal marker.

The term ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

References to international Standards should be replaced by equivalent Australian Standards, as follows:

<i>References to International Standard</i>		<i>Australian Standard</i>	
IEC		AS	
50	International Electrotechnical Vocabulary (IEV)	1852	International Electrotechnical Vocabulary
50(151)	Chapter 151: Electrical and magnetic devices	1852.151	Part 151: Electric and magnetic devices
50(441)	Chapter 441: Switchgear, controlgear and fuses	1852.441	Part 441: Switchgear, controlgear and fuses
56	High-voltage alternating current circuit breakers	2006	High voltage a.c. switchgear and controlgear—Circuit breakers for rated voltages above 1000 V
60	High-voltage test techniques	1931	High voltage testing techniques
60-1	Part 1: General definitions and test requirements	1931.1	Part 1: General definitions, test requirements, test procedures and measuring devices

## iii

IEC		AS	
129	Alternating-current disconnectors and earthing switches	1306	High voltage a.c. switchgear and controlgear—Disconnectors (isolators) and earthing switches
243	Recommended methods of test for electric strength of solid insulating materials at power frequencies	1255	Methods of test for electrical characteristics of solid plastics insulating materials
		1255.3	Part 3: Determination of electric strength at power frequencies
270	Partial discharge measurements	1018	Partial discharge measurements
298	A.C. metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 72.5 kV	2086	High-voltage a.c. switchgear and controlgear—Metal-enclosed—Rated voltages above 1 kV up to and including 72.5 kV
529	Degrees of protection provided by enclosures (IP Code)	1939	Degrees of protection provided by enclosures for electrical equipment (IP Code)
621	Electrical installations for outdoor sites under heavy conditions (including opencast mines and quarries)	3007	Electrical installations—Surface mines and associated processing plant
621-1	Part 1: Scope and definitions	3007.1	Part 1: Scope and definitions
694	Common clauses for high-voltage switchgear and controlgear standards	2650	High voltage a.c. switchgear and controlgear—Common requirements

Referenced document listed in Appendix ZZ:

AS

2650 High voltage a.c. switchgear and controlgear—Common requirements

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