This is a free page sample. Access the full version online.

AS 2086—1995
IEC 298:1990
IEC 298:1990/Amd.1:1994

Australian Standard®

A.C. metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 72.5 kV

[IEC title: A.C. metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV]

This is a free page sample. Access the full version online.

This Australian Standard was prepared by Committee EL/7, Power Switchgear. It was approved on behalf of the Council of Standards Australia on 19 January 1995 and published on 5 May 1995.

The following interests are represented on Committee EL/7:

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)
The WorkCover Authority of New South Wales

Review of Australian Standards. *To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.*

Full details of all Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

This Standard was issued in draft form for comment as DR 94174.

This is a free page sample. Access the full version online.

AS 2086—1995

Australian Standard®

A.C. metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 72.5 kV

PUBLISHED BY STANDARDS AUSTRALIA
(STANDARDS ASSOCIATION OF AUSTRALIA)
1 THE CRESCENT, HOMEBUSH, NSW 2140
ISBN 0 7262 9667 8

This is a free page sample. Access the full version online.

PREFACE

This Standard was prepared by the Joint Standards Australia/ Standards New Zealand Committee EL/7 on Power Switchgear to supersede AS 2086—1984, *High-voltage a.c. switchgear and controlgear—Metal-enclosed—Rated voltages above 1 kV up to and including 72.5 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 not corresponding in full presentation to IEC 298:1990, *A.C. metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV*, including Amendment 1:1994.

Appendix ZZ lists the Australian variations between this Standard and IEC 298. 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 rule in the margin against each clause, table, figure or part thereof affected.

The changes required by Amendment 1 are indicated in the IEC text by a double marginal bar against each clause, table, figure or part thereof affected.

The purpose of this edition is to bring it more into line with IEC 298. It is intended to be read in conjunction with AS 2650, which is applicable unless otherwise specified in this Standard. In order to simplify the indication of corresponding requirements, the same numbering of clauses and sub-clauses 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) Its number 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 substitutes 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 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.

The references to international Standards should be replaced by equivalent Australian Standards as follows:

References to International Standards		*Australian Standards*	
IEC		AS	
50(151)	International Electrotechnical Vocabulary (IEV) Chapter 151: Electrical and magnetic devices	1852	International Electrotechnical Vocabulary
		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
129	Alternating-current disconnectors (isolators) and earthing switches	1306	High voltage a.c. switchgear and controlgear—Disconnectors (isolators) and earthing switches

This is a free page sample. Access the full version online.

References to International Standards		*Australian Standards*	
IEC		AS	
137	Bushings for alternating voltages above 1000 V	1265	Bushings for alternating voltages above 1000 V
243-1	Methods of test for electric strength of solid insulating materials Part 1: Tests at power frequencies	1255 1255.3	Methods of test for electrical characteristics of solid plastics insulating materials Part 3: Determination of electric strength at power frequencies
270	Partial discharge measurements	1018	Partial discharge measurements
466	A.C. insulation-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 38 kV	2264	High voltage a.c. switchgear and controlgear—Insulation-enclosed for rated voltages above 1 kV up to and including 36 kV
480	Guide to the checking of sulphur hexafluoride (SF_6) taken from electrical equipment	—	
517	Gas-insulated metal-enclosed switchgear for rated voltages of 72.5 kV and above	2263	High voltage a.c. switchgear and controlgear—Gas-insulated metal-enclosed switchgear for rated voltages of 72.5 kV and above
529	Classification of degrees of protection provided by enclosures	1939	Degrees of protection provided by enclosures for electrical equipment (IP Code)
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	
2467	Maintenance of electrical switchgear

© Copyright — STANDARDS AUSTRALIA

Users of Standards are reminded that copyright subsists in all Standards Australia publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia. Permission may be conditional on an appropriate royalty payment. Requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia.

Standards Australia will permit up to 10 percent of the technical content pages of a Standard to be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia.

Standards Australia will also permit the inclusion of its copyright material in computer software programs for no royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia at any time.

SAI GLOBAL

This is a free preview. Purchase the entire publication at the link below:

Product Page

Looking for additional Standards? Visit Intertek Inform Infostore

Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation