

AS 2263—1995  
IEC 517:1990  
IEC 517:1990/Amd.1:1994

Australian Standard<sup>®</sup>

---

**Gas-insulated metal-enclosed  
switchgear for rated voltages  
of 72.5 kV and above**

---

This Australian Standard was prepared by Committee EL/7, Power Switchgear. It was approved on behalf of the Council of Standards Australia on 13 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)

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which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.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 94172.*

AS 2263—1995

Australian Standard<sup>®</sup>

---

**Gas-insulated metal-enclosed  
switchgear for rated voltages  
of 72.5 kV and above**

---

PUBLISHED BY STANDARDS AUSTRALIA  
(STANDARDS ASSOCIATION OF AUSTRALIA)  
1 THE CRESCENT, HOMEBUSH, NSW 2140

ISBN 0 7262 9644 9

## PREFACE

This Standard was prepared by the Joint Standards Australia/ Standards New Zealand Committee EL/7 on Power Switchgear to supersede AS 2263—1984, *High-voltage a.c. switchgear and controlgear — Gas-insulated metal-enclosed switchgear for rated voltages of 72.5 kV and above*. It is identical with and has been reproduced from IEC 517:1990, *Gas-insulated metal-enclosed switchgear for rated voltages of 72.5 kV and above*, including Amendment 1: 1994.

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

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 517. 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 as in AS 2650. Amendments to these clauses and subclauses are given under the same references, whilst additional subclauses 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 appears 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 reference to international Standards should be replaced by equivalent Australian Standards as follows:

<i>References to International Standards</i>		<i>Australian Standard</i>	
IEC		AS	
44-4	Instrument transformers Part 4: Measurement of partial discharges	2532	Current and voltage transformers for measurement and protection — Measurement of partial discharges
50(151)	International Electrotechnical Vocabulary (IEV), Chapter 151: Electrical and magnetic devices	1852.151	International Electrotechnical Vocabulary — Electric and magnetic devices
50(441)	International Electrotechnical Vocabulary (IEV), Chapter 441: Switchgear, controlgear and fuses	1852.441	International Electrotechnical Vocabulary — 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 60-2	High-voltage test techniques, Part 2: Test procedures	1931 1931.1	High voltage testing techniques Part 1: General definitions, test requirements, test procedures and measuring devices
129	Alternating current disconnectors and earthing switches	1306	High voltage a.c. switchgear and controlgear — Disconnectors (isolators) and earthing switches

IEC 137	Bushings for alternating voltages above 1000 V	AS 1265	Bushings for alternating voltages above 1000 V
141	Tests on oil-filled and gas-pressure cables and their accessories	—	
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 52 kV	2086	High-voltage a.c. switchgear and controlgear — Metal-enclosed — Rated voltages above 1 kV up to and including 72.5 kV
480	Guide to the checking of sulphur hexafluoride (SF <sub>6</sub> ) taken from electrical equipment	—	
529	Degrees of protection provided by enclosures (IP Code)	1939	Degrees of protection provided by enclosures for electrical equipment (IP code)
651	Sound level meters	1259 1259.1	Acoustics — Sound level meters Non-integrating
694	Common clauses for high-voltage switchgear and controlgear standards	2650	High voltage a.c. switchgear and controlgear — Common requirements
859	Cable connections for gas-insulated metal-enclosed switchgear for rated voltages of 72.5 kV and above	—	

Originated as AS 2263—1979.  
Second edition 1984.  
Third edition 1995.  
Incorporating:  
Amdt 1—1996

© 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.

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](#)
-