

Australian Standard<sup>®</sup>

**High-voltage switchgear and  
controlgear**

**Part 202: High-voltage/low-voltage  
prefabricated substation**



This Australian Standard® was prepared by Committee EL-007, Power Switchgear. It was approved on behalf of the Council of Standards Australia on 8 November 2007. This Standard was published on 31 January 2008.

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The following are represented on Committee EL-007:

- Australian British Chamber of Commerce
  - Australian Electrical and Electronic Manufacturers Association
  - Australian Railway Association
  - Energy Networks Association
  - Engineers Australia
  - Testing interests
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This Standard was issued in draft form for comment as DR 07146.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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## **High-voltage switchgear and controlgear**

### **Part 202: High-voltage/low-voltage prefabricated substation**

Originated as AS 61330—2005.  
Revised and redesignated as AS 62271.202—2008.

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## PREFACE

This Standard was prepared by the Standards Australia Committee EL-007, Power Switchgear, to supersede AS 61330—2005, *High-voltage/low-voltage prefabricated substation*.

The objective of this Standard is to ensure that prefabricated substations meet the needs of the users in the areas of high-voltage and low-voltage.

This Standard is identical with, and has been reproduced from IEC 62271-202, Ed. 1.0 (2006), *High-voltage switchgear and controlgear – Part 202: High-voltage/low-voltage prefabricated substation*.

### Common numbering of Standards falling under the responsibility of EL-007

In accordance with the decision taken by Committee EL-007, a common numbering system will be established in order to align the numbering of Australian Standards falling under the responsibility of EL-007 with IEC Standards. All high-voltage switchgear and controlgear Standards will, at their next revision (or as equivalent Standards become available in IEC), become parts of the AS 62271 (High-voltage switchgear and controlgear) series. The table below gives the relationship between future numbering and existing Standard numbers. Standards current at the time of publication of this Standard are marked with an asterisk (\*).

AS 62271 Series	High-voltage switchgear and controlgear	Previous AS Number
1	Common specifications	*AS 2650
100*	High-voltage alternating-current circuit-breakers	AS 2006
102*	Alternating current disconnectors and earthing switches	AS 1306
103	Switches for rated voltages above 1 kV and less than 52 kV	*AS/NZS 60265.1
104	Switches for rated voltages of 52 kV and above	*AS 60265.2
105	Alternating current switch-fuse combinations	*AS 2024
106	Alternating current contactors and contactor-based motor-starters	*AS 60470
110*	Inductive load switching	AS 4372
200*	AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	AS 2086
201*	AC insulation-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	AS 2264
202*	High-voltage/low voltage prefabricated substations	AS 61330
203*	Gas-insulated metal-enclosed switchgear for rated voltages above 52 kV	AS 2263
301*	Dimensional standardization of terminals	AS 2395
303	Use and handling of sulphur hexafluoride (SF <sub>6</sub> ) in high-voltage switchgear and controlgear	*AS 2791
304	Additional requirements for enclosed switchgear and controlgear from 1 kV to 72.5 kV to be used in severe climatic conditions	*AS 4243
308*	Guide for asymmetrical short-circuit breaking test duty T100a	-

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

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