AS 62271.200:2019

Australian STANDARD®

High-voltage switchgear and controlgear

Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV (IEC 62271-200:2011/COR1:2015, MOD)

STANDARDS Australia

AS 62271.200:2019

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The following are represented on Committee EL-007:

Australian Industry Group
Energy Networks Australia
Engineers Australia
University of New South Wales

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Preface

This Standard was prepared by the Standards Australia Committee EL-007, Power Switchgear, to supersede AS 62271.200—2005, *High-voltage switchgear and controlgear, Part 200: A.C. metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV* (IEC 62271-200, Ed. 1 (2003) MOD).

The objective of this Standard is to specify requirements for prefabricated metal-enclosed switchgear and controlgear for the following:

(a) Alternating current of rated voltages above 1 kV and up to and including 52 kV for indoor and outdoor installation.

(b) Service frequencies up to and including 60 Hz.

Enclosures may include fixed and removable components and may be filled with fluid (liquid or gas) to provide insulation.

This Standard defines several categories of metal enclosed switchgear and controlgear which differ due to—

(i) consequences on network service continuity in case of maintenance on the switchgear and controlgear; and

(ii) need and convenience of maintenance of the equipment.

This Standard supplements the Standards for the individual components regarding their installation in switchgear and controlgear assemblies.

This Standard does not preclude that other equipment may be included in the same enclosure. In such a case, any possible influence of that equipment on the switchgear and controlgear is to be taken into account.

This Standard is an adoption with national modifications, and has been reproduced from, IEC 62271-200:2011, *High-voltage switchgear and controlgear — Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV* and its Corrigendum 1 (2015). The modifications are additional requirements and are set out in Appendix ZZ, which has been added at the end of the source text.

Appendix ZZ lists the variations to IEC 62271-200:2011/COR1:2015 for the application of this Standard in Australia.

As this document has been reproduced from an International Standard, the following applies:

(A) In the source text “this part of IEC 62271” should read “this Australian Standard”.

(B) A full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms “normative” and “informative” are used in Standards to define the application of the appendices or annexes to which they apply. A “normative” appendix or annex is an integral part of a Standard, whereas an “informative” appendix or annex is only for information and guidance.

NOTES