

Australian/New Zealand Standard™

**Insulated bushings for alternating
voltages above 1000 V (IEC 60137:2017
(ED.7.0) MOD)**



AS/NZS 60137:2020

This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee EL-008, Power Transformers. It was approved on behalf of the Council of Standards Australia on 22 April 2020 and by the New Zealand Standards Approval Board on 6 May 2020.

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The following are represented on Committee EL-008:

- Australian Industry Group
- Electricity Engineers Association of New Zealand
- Energy Efficiency & Conservation Authority of New Zealand
- Energy Networks Australia
- Engineers Australia
- Rail Industry Safety and Standards Board

This Standard was issued in draft form for comment as DR AS/NZS 60137:2020.

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Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-008, Power Transformers to supersede AS/NZS 60137:2008, *Insulated bushings for alternating voltages above 1000 V (IEC 60137, Ed. 5.0 (2003) MOD)*.

The objective of this Standard is to specify the characteristics and tests for insulated bushings.

This Standard is applicable to bushings, as defined in Clause 3, intended for use in electrical apparatus, machinery, transformers, switchgear and installations for three-phase alternating current systems, having highest voltage for equipment above 1 000 V and power frequencies of 15 Hz up to and including 60 Hz.

Subject to special agreement between purchaser and supplier, this standard may be applied, in part or as a whole to the following:

- (a) Bushings used in other than three-phase systems.
- (b) Bushings for high-voltage direct current systems.
- (c) Bushings for testing transformers.
- (d) Bushings for capacitors.

Special requirements and tests for transformer bushings in this Standard apply also to reactor bushings.

This Standard is applicable to bushings made and sold separately. Bushings which are a part of an apparatus and which cannot be tested according to this Standard should be tested with the apparatus of which they form part.

This Standard is an adoption with national modifications, and has been reproduced from, IEC 60137:2017, *Insulated bushings for alternating voltages above 1000 V*.

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 60137:2017 for the application of this Standard in Australia and New Zealand.

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

- (i) In the source text “this International Standard” should read “this Australian/New Zealand Standard”.
- (ii) 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.

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