

AS/NZS 61558.2.8:2025
IEC 61558-2-8:2024



Australian/New Zealand Standard™

Safety of transformers, reactors, power supply units and combinations thereof

Part 2.8: Particular requirements and tests for transformers and power supply units for bells and chimes



AS/NZS 61558.2.8:2025

This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee EL-002, Safety of Household and Similar Electrical Appliances and Small Power Transformers and Power Supplies. It was approved on behalf of Standards Australia's Standards Development and Accreditation Committee on 16 May 2025 and by the New Zealand Standards Approval Board on 12 June 2025.

This Standard was published on 27 June 2025.

The following are represented on Committee EL-002:

- Association of Accredited Certification Bodies
- Australian Industry Group
- Australian Retailers Association
- Building Commission NSW
- Business New Zealand
- Consumer Electronics Suppliers Association
- Consumers' Federation of Australia
- Electrical Regulatory Authorities Council, Australia
- Engineers Australia
- International Accreditation New Zealand
- Joint Accreditation System of Australia & New Zealand
- National Retail Association Australia
- New Zealand Electric Fence Energiser Manufacturers Standards Group
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NOTES

PREFACE

This standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-002, *Safety of household and similar electrical appliances and small power transformers* to supersede AS/NZS 61558.2.8:2011 and its amendments three years from the date of its publication. During this period, it is anticipated that regulatory authorities will approve transformers and power supply units for bells and chimes to either standard.

The objective of this standard is to provide manufacturers, designers, regulatory authorities, testing laboratories, and similar organisations with safety requirements designed to give the user protection against hazards that might occur during normal operation and abnormal operation of the appliance and which may be used as the basis for approval for sale or for connection to the electricity supply mains in Australia and New Zealand.

The text of IEC 61558-2-8, Ed. 3.0, prepared by IEC Technical Committee TC 96, was submitted to the Standards Australia/Standards New Zealand Combined Procedure (dual public comment and committee vote) for adoption of the IEC standard as a Standards Australia/Standards New Zealand joint standard.

The principal changes in this edition as compared with the 2011 edition of AS/NZS 61558.2.8 are as follows (minor changes are not listed):

- (a) Adjustment of structure and references in accordance with AS/NZS 61558.1:2018;
- (b) New symbol for power supply unit with linearly regulated output voltage.

This standard is an adoption with national modifications of the third edition of IEC 61558-2-8, *Safety of transformers, reactors, power supply units and combinations thereof – Part 2-8: Particular requirements and tests for transformers and power supply units for bells and chimes*. It has been varied as indicated to take account of Australian and New Zealand conditions.

This part 2 has to be used in conjunction with the latest edition of AS/NZS 61558.1, *Safety of transformers, reactors, power supply units and combinations thereof – Part 1: General requirements and tests* and its amendments. It was established on the basis of AS/NZS 61558.1:2018.

This part 2 supplements or modifies the corresponding clauses of AS/NZS 61558.1 so as to convert it into the Australian/New Zealand Standard: Safety requirements and tests for transformers and power supply units for bells and chimes.

When a particular subclause of Part 1 is not mentioned in this part 2, that subclause applies as far as is reasonable. When this standard states 'addition', 'modification', or 'replacement', the relevant text of Part 1 is to be adapted accordingly.

NOTE 1 The following numbering system is used:

- subclauses, tables and figures that are numbered starting from 101 are additional to those in Part 1;
- unless notes are in a new subclause or involve notes in Part 1, they are numbered starting from 101, including those in a replaced clause or subclause;
- additional annexes are lettered AA, BB, and so on;
- subclauses, notes and annexes that are additional to those in the IEC standard are prefixed with the letters AZ.