

AS/NZS 3112:2017
(Incorporating Amendment No. 1)



Australian/New Zealand Standard™

Approval and test specification — Plugs and socket-outlets



AS/NZS 3112:2017

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-004, Electrical Accessories. It was approved on behalf of the Council of Standards Australia on 21 July 2017 and by the New Zealand Standards Approval Board on 2 August 2017.

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The following are represented on Committee EL-004:

- Association of Accredited Certification Bodies
- Australian Chamber of Commerce and Industry
- Australian Industry Group
- Consumer Electronics Suppliers Association
- Consumers Federation of Australia
- Electrical Compliance Testing Association
- Electrical Regulatory Authorities Council
- Engineers Australia
- International Accreditation New Zealand
- National Electrical and Communications Association
- New Zealand Manufacturers and Exporters Association
- NSW Fair Trading
- Plastics Industry Pipe Association of Australia
- WorkSafe New Zealand

This Standard was issued in draft form for comment as DR AS/NZS 3112:2017.

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Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-004, Electrical Accessories to supersede AS/NZS 3112:2011.

A1 This Standard incorporates Amendment No. 1 (September 2021). The start and end of changes introduced by the Amendment are indicated in the text by tags including the amendment number 1. **A1**

A1 AS/NZS 3112:2017 in its unamended form will also remain current for 9 months from the date of publication of this document. After this time, it will be superseded by AS/NZS 3112:2017 incorporating Amendment 1. Regulatory authorities that reference this Standard in regulation may apply these requirements at a different time. Users of this Standard should consult with these authorities to confirm their requirements. **A1**

The objective of this Standard is to provide the Australian and New Zealand electrical industry, including manufacturers, test laboratories and regulators, with requirements and test methods for **A1** plugs, socket outlets or plug portions **A1**.

This Standard is one of a series of approval and test specifications to be read in conjunction with AS/NZS 3100, *Approval and test specification—General requirements for electrical equipment*. The purpose of this series is to outline conditions which need to be met to secure approval for the sale and use of electrical equipment. Only safety matters and related conditions are covered.

The essential safety requirements in AS/NZS 3820, *Essential safety requirements for electrical equipment*, which could be applicable to **A1** plugs, socket outlets or plug portions **A1**, are covered by this Standard, taken in conjunction with any other relevant requirements affecting safety.

Major changes in this edition are in the following:

- (a) [Clause 1.1](#) Scope. Updated and clarified.
- (b) [Clause 2.8.1](#) Ratings and dimensions.
- (c) [Clause 2.8.4](#) Dimensions of [Figure 2.1](#).
- (d) [Clause 2.13.3](#) High voltage test.
- (e) [Clause 3.1.2](#) Construction of terminals.
- (f) [Clause 3.10](#) Floor socket-outlets.
- (g) [Clause 3.12](#) Shuttered socket-outlets.
- (h) [Clause 3.14.1](#) Tests for socket-outlets.
- (i) [Clause 3.14.3](#) High voltage test.
- (j) [Figure 2.1](#).
- (k) [Figure 2.11](#).
- (l) [Figure 3.10](#).
- (m) [Appendix J](#). Change the title and include integral or detachable plug portions of equipment for insertion into socket outlets requirements.

This Standard was revised to introduce the following technical and editorial changes:

- (i) Update referenced documents.
- (ii) Update and clarify the scope of the Standard.

- (iii) Update diagrams for clarity.
- (iv) Add new definition for insulation piercing terminal or connecting device.
- (v) Add a new [Appendix K](#), Non-detachable parts test (normative).

Statements expressed in mandatory terms in notes to tables are deemed to be requirements of this Standard.

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' Appendix is an integral part of a Standard.

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