

Australian/New Zealand Standard™

**Approval and test specification—Plugs
and socket-outlets for stationary
appliances**



AS/NZS 3131:2015

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 7 May 2015 and on behalf of the Council of Standards New Zealand on 25 June 2015.

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The following are represented on Committee EL-004:

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
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-004 on Electrical Accessories, to supersede AS/NZS 3131:2001.

The objective of this Standard is to provide requirements for plugs and socket-outlets having current ratings not exceeding 32 A, intended for indoor use, and at voltages not exceeding 500 V a.c., for the purpose of enabling connection and disconnection of fixed stationary appliances (such as stoves) to the installation wiring.

While this Standard depicts only one standardized configuration (in Appendix A), it may be applied to configurations and contact types other than that depicted herein, providing all appropriate requirements of this Standard are complied with.

This Standard is one of a series of approval and test specifications issued jointly by Standards Australia and Standards New Zealand. These specifications are to be read in conjunction with AS/NZS 3100, *Approval and test specification—General requirements for electrical equipment*.

The essential safety requirements in AS/NZS 3820, *Essential safety requirements for electrical equipment*, that could be applicable to switches are covered by this Standard.

This edition of AS/NZS 3131 contains the following changes from the 2001 edition:

- (a) Referenced documents updated.
- (b) The first temperature rise test for socket-outlets is no longer required.
- (c) Changes to location of marking requirements.
- (d) Change to high voltage test.
- (e) Addition of the child's test finger of IEC 61032 Probe 19.

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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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies the requirements for plugs and socket-outlets having current ratings not exceeding 32 A, intended for indoor use, and at voltages not exceeding 500 V a.c., for the purpose of enabling connection and disconnection of stationary appliances such as cooking ranges, hobs and ovens. A standardized configuration is given in Appendix A.

This Standard may be applied to configurations and contact types other than those depicted herein providing all appropriate (to that type) requirements of this Standard are complied with.

This Standard does not apply to the following:

- (a) Appliance couplers for household and similar general purposes within the scope of AS/NZS 60320.1
- (b) Plugs and socket-outlets within the scope of AS/NZS 3112.
- (c) Cord extension sockets and inlet plugs within the scope of AS/NZS 3120.
- (d) Socket-outlet adaptors within the scope of AS/NZS 3122.
- (e) Plugs, socket-outlets and couplers for general industrial application within the scope of AS/NZS 3123.
- (f) Installation couplers within the scope of AS/NZS 61535.

1.2 APPLICATION**1.2.1 General requirements of AS/NZS 3100**

This Standard shall be read in conjunction with AS/NZS 3100. The appropriate provisions of AS/NZS 3100 shall apply to the construction of a plug or socket-outlet and the insulation and safeguarding of parts that normally carry current.

1.2.2 Specific requirements of this Standard

A plug or socket-outlet shall be deemed to comply with this Standard only if it complies with all the appropriate requirements of this Standard and passes the relevant tests specified herein.

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard.

NOTE: For New Zealand, where no relevant New Zealand Standard is listed, the referenced Australian Standard is deemed to be appropriate for the purpose of this Standard.

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