

Australian/New Zealand Standard™

**Approval and test specification—
Socket-outlet adaptors**

AS/NZS 3122:2005

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 8 December 2004 and on behalf of the Council of Standards New Zealand on 17 December 2004.

This Standard was published on 21 February 2005.

The following are represented on Committee EL-004:

Australasian Railway Association
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Canterbury Manufacturers Association, New Zealand
Consumer Electronic Suppliers Association
Consumers' Federation of Australia
Electrical Regulatory Authorities Council
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Approval and test specification— Socket-outlet adaptors

Originated in Australia as AS C122—1939.
Originated in New Zealand as part of NZS 198—1939.
Previous edition AS/NZS 3122:1993.
Fifth edition 2005.

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Jointly published by Standards Australia, GPO Box 5420, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 6485 1

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-004, Electrical Accessories to supersede AS/NZS 3122:1993, *Approval and test specification—Socket-outlet adaptors* on publication.

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 electrical portable outlet devices.

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

The essential safety requirements in AS/NZS 3820 that could be applicable to socket-outlet adaptors are covered by this Standard taken in conjunction with any other relevant requirements affecting safety.

This Standard was revised to incorporate Amendments 1 and 2 to AS/NZS 3122:1993 and to introduce the following technical and editorial changes:

- (a) Modification of Clause 7 to include additional requirements from AS/NZS 3112.
- (b) Inclusion of requirements for travel adaptors in Appendix A.
- (c) Updating of cross-references to referred Standards and other minor editorial changes.

This Standard does not include all the necessary conditions of a contract.

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1 SCOPE

This Standard applies to socket-outlet adaptors, as defined in Clause 4, and intended for use at low or extra-low voltage.

NOTE: As of 1 November 1990, Australian regulatory authorities will not approve rewirable socket-outlet adaptors.

2 APPLICATION**2.1 General requirements of AS/NZS 3100**

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

2.2 Specific requirements of this Standard

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

3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

IEC

60384 Fixed capacitors for use in electronic equipment

60384-14 Part 14: Sectional specification—Fixed capacitors for electromagnetic interference suppression and connection to the supply mains

APPROVAL AND TEST SPECIFICATIONS

AS/NZS

3100 General requirements for electrical equipment

3112 Plugs and socket-outlets

3120 Cord extension sockets

3199 Cord extension sets

4 DEFINITIONS

For the purpose of this Standard the definitions below apply.

4.1 Non-rewirable socket-outlet adaptor

A socket-outlet adaptor so constructed that it forms an integral unit with any flexible cable or cord, such that—

- (a) any flexible cable or cord cannot be detached from the accessory without making the accessory useless; or
- (b) any flexible cord cannot be replaced by hand or by using a general purpose tool.