

Australian/New Zealand Standard™

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



AS/NZS 3122:2015

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 24 July 2015 and on behalf of the Council of Standards New Zealand on 31 July 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
Engineers Australia
International Accreditation New Zealand
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Australian/New Zealand Standard™

Approval and test specification— Socket-outlet adaptors

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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 3122:2005 *Approval and test specification—Socket-outlet adaptors*, 2 years from the date of publication. During this period, AS/NZS 3122:2005 and this Standard will run in parallel.

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 socket-outlet adaptors.

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 shall 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, *Essential safety requirements for electrical equipment* 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 introduce the following technical changes to Appendix A, which specifies additional requirements for travel adaptors:

- (a) Modification of the definition of ‘travel adaptor’.
- (b) Modification of socket portion requirements.
- (c) Modification of plug portion requirements.
- (d) Exemption for prohibited features requirements for particular applications.
- (e) Additional marking requirements for socket portions.
- (f) A new warning to be included in the manufacturer’s instructions.

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

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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Australian/New Zealand Standard**Approval and test specification—Socket-outlet adaptors****1 SCOPE**

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

NOTES:

- 1 This does not preclude the use of integral SELV outputs compliant with the relevant safety standard.
- 2 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:

AS/NZS

- | | |
|---------|---|
| 3100 | Approval and test specification—General requirements for electrical equipment |
| 3112 | Approval and test specification—Plugs and socket-outlets |
| 3120 | Approval and test specification—Cord extension sockets |
| 3121 | Approval and test specification—Insulating mouldings |
| 3199 | Approval and test specification—Cord extension sets |
| 60884 | Plugs and socket-outlets for household and similar purposes |
| 60884.1 | Part 1: General requirements (IEC 60884-1, Ed.3.1 (2006) MOD) |

IEC/TR

- | | |
|-------|---|
| 60083 | Plugs and socket-outlets for domestic and similar general use standardized in member countries of IEC |
|-------|---|

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 |

4 DEFINITIONS

For the purpose of this Standard the definitions below apply.

4.1 Aperture set

Active, neutral and earth (where applicable) pin apertures on a socket outlet.