

Australian/New Zealand Standard™

**Approval and test specification—
Electrical portable outlet devices**



AS/NZS 3105:2007

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 28 December 2006 and on behalf of the Council of Standards New Zealand on 19 January 2007.
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The following are represented on Committee EL-004:

Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturer's Association
Australian Information Industry Association
Australasian Railway Association
Canterbury Manufacturers Association NZ
Consumer Electronics Suppliers Association
Consumers' Federation of Australia
Electrical Compliance Testing Association
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Australian/New Zealand Standard™

Approval and test specification— Electrical portable outlet devices

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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 3105:2002 from the date of publication.

This Standard incorporates Amendment No. 1 (January 2010). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

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 specification—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 electrical portable outlet devices are covered by this Standard taken in conjunction with any other relevant requirements affecting safety.

This Standard was revised to incorporate Amendments No. 1 and 2 to AS/NZS 3105:2002 and to introduce editorial changes and the following technical changes:

- (a) Requirements for the storage of cord extension sets.
- (b) Changes to marking requirements.
- (c) Changes to requirements covering the determination of ignitability and combustion propagation.

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

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Australian/New Zealand Standard**Approval and test specification—Electrical portable outlet devices****1 SCOPE AND REFERENCED DOCUMENTS****1.1 Scope**

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This Standard applies to electrical portable outlet devices (EPODs) primarily intended for household and similar use at low voltage and having outlet facilities in the form of socket-outlets or cord extension sockets or connectors. They are connected to the supply by either a power supply cord and a plug or an appliance inlet and are intended to be used in readily accessible locations as temporary use and not for permanent installation.

This Standard does not apply to the following:

- (a) Cord extension sets, within the scope of AS/NZS 3199.
- (b) Portable residual current devices, within the scope of AS/NZS 3190.
- (c) Socket-outlet adaptors, within the scope of AS/NZS 3122.
- (d) Electric inspection handlamps, within the scope of AS/NZS 60598.2.8.
- (e) Portable control or conditioning devices, within the scope of AS/NZS 3197.

1.2 Referenced documents

The following documents are referred to in this Standard:

AS

3117 (NZS/AS 3117) Approval and test specification—Bayonet lampholders

3140 (NZS/AS 3140) Approval and test specification—Edison-type screw lampholders

AS/NZS

A1

3100 Approval and test specification—General requirements for electrical equipment

3111 Approval and test specification—Miniature overcurrent circuit-breakers

3112 Approval and test specification—Plugs and socket-outlets

3120 Approval and test specification—Cord extension sockets

3121 Approval and test specification—Insulating mouldings

3122 Approval and test specification—Socket-outlet adaptors

3127 Approval and test specification—Cord-line switches

3133 Approval and test specification—Air break switches

3190 Approval and test specification—Residual current devices (current-operated earth-leakage devices)

3191 Electric flexible cords

3197 Approval and test specification—Portable electrical control or conditioning devices

3199 Approval and test specification—Cord extension sets

3820 Essential safety requirements for low voltage electrical equipment