

Australian/New Zealand Standard™

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



AS/NZS 3105:2012

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 20 August 2012 and on behalf of the Council of Standards New Zealand on 11 September 2012.

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The following are represented on Committee EL-004:

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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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This Standard was issued in draft form for comment as DR AS/NZS 3105.

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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 3105:2007, *Approval and test specification—Electrical portable outlet devices* from the date of publication.

The objective of this Standard is to provide the Australian and New Zealand electrical industries, 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, *Essential safety requirements for electrical equipment*, 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 introduce editorial changes and the following technical changes:

- (a) Clause 4.5.4(b)(i) revised to include requirements for auto switching.
- (b) Table 1 revised.
- (c) Clause 8.2 and Clause 8.7 now cover EPODs with multiple cord outlets.

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

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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

This Standard specifies requirements for 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. EPODs 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 for 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/NZS

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
3117	Approval and test specification—Bayonet lampholders
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
3140	Approval and test specification—Edison-type screw lampholders
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