

Australian/New Zealand Standard™

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



AS/NZS 3105:2014

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 March 2014 and on behalf of the Council of Standards New Zealand on 21 March 2014.
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The following are represented on Committee EL-004:

Australian Industry Group
Australian Chamber of Commerce and Industry
Consumer Electronics Suppliers Association
Consumers Federation of Australia
Electrical Compliance Testing Association
Electrical Regulatory Authorities Council
Engineers Australia
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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 3105:2012 *Approval and test specification—Electrical portable outlet devices*, and AS/NZS 3197:2005, *Approval and test specification—Portable electrical control or conditioning devices*, 2 years from the date of publication. During this period, AS/NZS 3105:2012, AS/NZS 3197:2005 and this Standard will run in parallel.

This Standard incorporates Amendment No. 1 (June 2017). 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 Australian and New Zealand electrical industries 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 the conditions that must be met to secure approval for the sale and use of electrical accessories 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.

This Standard was revised to include requirements for control and conditioning devices previously within the scope of AS/NZS 3197:2005.

This Standard does not include all the necessary provisions 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**

This Standard specifies essential safety requirements for electrical portable outlet devices (EPODs) primarily intended for household and similar use at low voltage and having an outlet facility or facilities in the form of socket outlets or cord extension sockets or connectors. EPODs may include control and conditioning functions as defined in Clause 4.1.

They are intended for use in readily accessible locations and not for permanent installation.

Cord extension sets which incorporate an integral reeling or coiling device are within the scope of this standard.

Plugs within the scope of AS/NZS 3112, cord extension sockets within the scope of AS/NZS 3120, socket-outlet adaptors within the scope of AS/NZS 3122 that incorporate control or conditioning functions and cord extension sets within the scope of AS/NZS 3199 that incorporate control or conditioning functions, are within the scope of this Standard. In these cases, the term ‘EPOD’ in this Standard is to be taken to mean the ‘plug’ or ‘cord extension socket’, ‘socket-outlet adaptor’ or ‘cord extension set’ respectively.

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 devices incorporating voltage transformation within the scope of AS/NZS 61558 (series).
- (f) Appliance connectors incorporating control facilities within the scope of AS/NZS 60320.1.

NOTE: Thermostats and energy regulators of the self-contained type that are intended for independent mounting are within the scope of AS/NZS 3161.

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 the EPOD and its insulation and the safeguarding of parts that normally carry current.

2.2 Specific requirements of this Standard

An EPOD shall be deemed to comply with this Standard only if it complies with all the relevant requirements of this Standard and passes the tests specified herein.