

Australian/New Zealand Standard™

**Plugs and socket-outlets for household
and similar purposes**

**Part 1: General requirements
(IEC 60884-1, Ed.3.1 (2006) MOD)**



AS/NZS 60884.1:2013

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 4 March 2013 and on behalf of the Council of Standards New Zealand on 4 April 2013.

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The following are represented on Committee EL-004:

Australian Industry Group
Consumer Electronics Suppliers Association
Consumer 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 60884.1.

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-004, Electrical Accessories.

This Standard will exist in parallel with AS/NZS 3112, *Approval and test specification—Plugs and socket-outlets*. This Standard and AS/NZS 3112 cover the requirements for plugs and socket outlets and either Standard may be used.

The objective of this Standard is to provide requirements and test methods for plugs and socket-outlets.

The essential safety requirements in AS/NZS 3820, *Essential safety requirements for electrical equipment* that could be applicable to plugs and socket-outlets are covered by this Standard.

This Standard is an adoption with national modifications and has been reproduced from IEC 60884-1, Ed.3.1 (2006), *Plugs and socket-outlets for household and similar purposes—Part 1: General requirements*, and has been varied as indicated to take account of Australian/New Zealand conditions. The modifications are set out in Appendix ZZ.

This Standard is structured in the following layout:

- (a) Preface
- (b) IEC 60884-1, Ed. 3.1 (2006) (unedited from the contents pages to the final clause of the source document)
- (c) Appendix ZZ—Australian/New Zealand variations to the source document.

The variations listed in Appendix ZZ address issues including the following:

- (i) Requirements for mounting and installing fixed socket-outlets.
- (ii) Requirements for plugs, including rewirable plugs and plug pins.
- (iii) Dimensional requirements for plug and socket-outlets.
- (iv) Requirements for switches.
- (v) Flammability.

As this Standard is reproduced from an International Standard, the following applies:

- (1) In the source text ‘this part of IEC 60884’ should read ‘this Australian/New Zealand Standard’.
- (2) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
IEC		AS	
60050	International Electrotechnical Vocabulary	1852	International electrotechnical vocabulary
60050-826	Electrical installations of buildings	1852.826	Electrical installations of buildings
60068	Environmental testing	60068	Environmental testing
60068-2-30	Part 2-30: Tests—Test Db and guidance: Damp heat, cyclic (12 + 12-hour cycle)	60068.2.30	Part 2.30: Tests—Test Db and guidance: Damp heat, cyclic (12 + 12-hour cycle)
60068-2-32	Part 2-32: Tests—Test Ed: Free fall (Procedure 1)	60068.2.32	Part 2.32: Tests—Test Ed: Free fall (Procedure 1)

IEC		AS/NZS	
60227 (all parts)	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	3191	Electric flexible cords
60227-5	Part 5: Flexible cables (cords)	60227.5	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V Part 5: Flexible cables (cords)
60245 (all parts)	Rubber insulated cables—Rated voltages up to and including 450/750 V	3191	Electric flexible cords
60695	Fire hazard testing	60695	Fire hazard testing
60695-2-10	Part 2-10: Glowing/hot-wire based test methods—Glow-wire apparatus and common test procedure	60695.2.10	Part 2.10: Glowing/hot-wire based test methods—Glow-wire apparatus and common test procedure
60695-2-11	Part 2-11: Glowing/hot-wire based test methods—Glow-wire flammability test method for end-products	60695.2.11	Part 2.11: Glowing/hot-wire based test methods—Glow-wire flammability test method for end-products
ISO		AS	
2093	Electroplated coatings of tin—Specification and test methods	4169	Electroplated coatings—Tin and tin alloys (ISO 2093:1986, MOD)

Only international references that have been adopted as Australian or Australian/New Zealand Standards have been listed.

The terms ‘normative’ and ‘informative’ are used to define the application of the annex or appendix to which they apply. A normative annex or appendix is an integral part of a standard, whereas an informative annex or appendix is only for information and guidance.

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