

Australian/New Zealand Standard™

**Appliance couplers for household and
similar general purposes**

**Part 1: General requirements
(IEC 60320-1, Ed. 2.1 (2007) MOD)**



AS/NZS 60320.1:2012

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 27 March 2012 and on behalf of the Council of Standards New Zealand on 28 May 2012.

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The following are represented on Committee EL-004:

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Australian Electrical and Electronic Manufacturers Association
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Consumers Federation of Australia
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This Standard was issued in draft form for comment as DR AS/NZS 60320.1.

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Appliance couplers for household and similar general purposes

Part 1: General requirements (IEC 60320-1, Ed. 2.1 (2007) MOD)

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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 60320.1:2004, *Appliance couplers for household and similar general purposes—General requirements (IEC 60320-1, Ed. 2.0 (2001) MOD)* three months from publication. Until that date, both editions of the Standard will run in parallel.

The objective of this Standard is to provide the Australian and New Zealand electrical industries, including manufacturers and regulatory bodies, with general safety requirements for appliance couplers for household and similar general purposes, and which may be used as the basis for approval for sale or for connection to supply in Australia and New Zealand.

This Standard is an adoption with national modifications and has been reproduced from IEC 60320-1, Ed.2.1 (2007), *Appliance couplers for household and similar general purposes—Part 1: General requirements* and has been modified to take account of Australian/New Zealand conditions. The variations are specified in Appendix ZZ and are to be used for the IEC CB scheme.

IEC 60320-1, Ed.2.1 (2007) is a consolidated version of IEC 60320-1, consisting of the second edition (2001) and its Amendment 1 (2007). A vertical line in the margin shows where the base publication has been modified by Amendment 1.

The objectives of this revision are—

- (a) to adopt the latest edition of IEC 60320-1;
- (b) to delete Group 3 appliance couplers;
- (c) to revise the additional requirements for Group 2 appliance couplers in Appendix ZA; and
- (d) to delete two/three pin flat pin appliance inlets that fit a cord extension socket complying with AS/NZS 3120.

The essential safety requirements in AS/NZS 3820 that could be applicable to appliance couplers are covered by this Standard, taken in conjunction with any other relevant requirements affecting safety.

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

- (i) Its number appears on the cover and title page while the International Standard number appears only on the cover.
- (ii) In the source text ‘this part of IEC 60320’ should read ‘this Australian/New Zealand Standard’.
- (iii) 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 (IEV)	1852	International Electrotechnology Vocabulary (IEV)
60050-151	Part 151: Electrical and magnetic devices	1852.151	Part 151: Electric and magnetic devices
60068	Environmental testing	60068	Environment testing
60068-2-32	Part 2-32: Tests—Test Ed: Free fall	60068.2.32	Part 2.32: Tests—Test Ed: Free fall

IEC 60112	Method for determining the comparative and the proof tracking indices of solid insulating materials under moist conditions	AS/NZS 60112	Method for the determination of the proof and the comparative tracking indices of solid insulating materials
60695 60695-2-10	Fire hazard testing Part 2-10: Glowing/hot-wire based test methods—Glow-wire apparatus and common test procedure	60695 60695.2.10	Fire hazard testing 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
60695-2-12	Part 2-12: Glowing/hot-wire based test methods—Glow-wire flammability test method for materials	60695.2.12	Part 2.12: Glowing/hot wire based test methods—Glow-wire flammability test method for materials
60695-2-13	Part 2-13: Glowing/hot-wire based test methods—Glow wire ignitability test method for materials	60695.2.13	Part 2.13: Glowing/hot wire based test methods—Glow-wire ignitability test methods for materials
2093	Electroplated coatings of tin— Specification and test methods	AS 4169	Electroplated coatings—Tin and tin alloys

Any international references not listed have not been adopted as Australian/New Zealand Standards.

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