

AS/NZS 3109.1:1996
IEC 320-1:1994
IEC 320-1:1994 Amdt 1:1995
(Incorporating Amendment No. 1)

AS/NZS 3109.1

Australian/New Zealand Standard™

Approval and test specification— Appliance couplers for household and similar general purposes

Part 1: General requirements

[IEC title: Appliance couplers for household and similar general purposes,
Part 1: General requirements]



S t a n d a r d s Australia



STANDARDS
NEW ZEALAND
Pihanga Aotearoa

AS/NZS 3109.1:1996

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL/4, Electrical Accessories. It was approved on behalf of the Council of Standards Australia on 27 September 1996 and on behalf of the Council of Standards New Zealand on 29 July 1996. It was published on 5 December 1996.

The following interests are represented on Committee EL/4:

Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Consumer Electronic Suppliers Association, Australia
Electricity Supply Association of Australia
Ministry of Commerce, New Zealand
National Electrical Contractors Association, Australia
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Australian/New Zealand Standard™

**Approval and test specification—
Appliance couplers for household
and similar general purposes**

Part 1: General requirements

Originated in Australia as AS C109—1937.
Previous edition AS 3109.1—1987.
Jointly revised and designated AS/NZS 3109.1:1996.
Reissued incorporating Amendment No. 1 (July 2000).

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Jointly published by Standards Australia International Ltd, GPO Box 5420,
Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439,
Wellington 6020

ISBN 0 7337 0806 4

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/4, Electrical Accessories, to supersede, in Australia, AS 3109.1—1987 and, in New Zealand, NZS 1801:1963, *Specification for domestic appliance connectors and appliance inlet sockets*, by the year 2000

This Standard incorporates Amendment No. 1 (July 2000). The changes arising from the Amendments are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure, or part thereof affected.

A1 | This Standard is technically equivalent to, and has been reproduced from, IEC 60320-1:1994, *Appliance couplers for household and similar general purposes*, Part 1: *General requirements*, and includes Amendment 1:1995 and Amendment 2:1996. The IEC Amendments added immediately after the IEC text. The Clauses changed by IEC Amendment 1 are indicated by a single marginal bar set adjacent to the amended text or figure.

A number of variations and additional requirements have been made in this Standard to the requirements of IEC 320-1. These variations and additions, which are necessary for Australian/New Zealand requirements, are listed in Appendices ZZ and ZA and are indicated by double marginal bars and triple marginal bars, respectively, set adjacent to the varied text.

A1 | In January 1997, the IEC commenced numbering its Standards from 60000 by adding 60000 to the number of each existing Standard. This coordinates IEC numbering with ISO numbering. During the transition period an IEC Standard might be identified by its new number or its old number (for example, IEC 60050 or IEC 50).

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

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text ‘this International Standard’ should read ‘this Australian/New Zealand Standard’.
- (c) A full point substitutes for a comma when referring to a decimal marker.
- (d) Throughout this Standard the word ‘elastomer’ should replace the word ‘rubber’. The term ‘polyvinyl chloride or similar material’ is intended to include all ‘resilient type materials’. In Clauses 15.2, 22.1, 22.3 and 22.4, replace IEC ‘Type of cord’ with the following:

227 IEC 41—PVC insulated tinsel parallel 2-core unsheathed

227 IEC 52—Light duty PVC insulated sheathed

227 IEC 53—Ordinary duty PVC insulated sheathed

245 IEC 51—Elastomer insulated braided

245 IEC 53—Ordinary duty elastomer insulated sheathed

- (e) The reference to International Standards should be replaced by references, where appropriate, to the following Australian or Joint Australian/New Zealand Standards:

Reference to International Standard

Australian/New Zealand Standard

IEC

AS/NZS

A1	50 (151)	International Electrotechnical Vocabulary. Electrical and magnetic devices	A1	1852	International Electrotechnical Vocabulary
				1852.151	Part 151: Electric and magnetic devices
	83	Plugs and socket-outlets for domestic and similar general use—Standards Amendment 1 (1979)		3112	Approval and test specification—Plugs and socket-outlets
	—			3120	Approval and test specification—Cord extension sockets
	112	Method for determining the comparative and the proof tracking indices of solid insulating materials under moist conditions		4695	Fire hazard testing of electrotechnical products
				4695.112	Part 112: Method for determining the comparative and the proof tracking indices of solid insulating materials under moist conditions

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IEC		AS/NZS	
227	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	3191	Approval and test specification—Electric flexible cords
245	Rubber insulated cables of rated voltages up to and including 450/750 V	3191	Approval and test specification—Electric flexible cords
536	Classification of electrical and electronic equipment with regard to protection against electric shock	—	
695	Fire hazard testing	4695	Fire hazard testing of electrotechnical products
695.2	Part 2: Test methods	4695.2	Part 2: Test methods
695.2.1	Section 1: Glow-wire test and guidance	4695.2.11	Section 11: Glow-wire end-product test and guidance
730	Automatic electrical controls for household and similar use	3161	Approval and test specification—Thermostats and energy regulators
1058	Switches for appliances	—	
—		1939	Degrees of protection provided by enclosures for electrical equipment (IP Code)
—		3100	Approval and test specification—General requirements for electrical equipment
—		3350	Approval and test specifications—Safety of household and similar electrical appliances
		3350.1	Part 1: General requirements
ISO			
286	ISO system of limits and fits	1654	ISO system of limits
286-1	Part 1: Bases of tolerances, deviations and fits	1654.1	Part 1: Bases of tolerances, deviations and fits
1101	Technical drawings—Geometrical tolerancing—Tolerances of form orientation, location and run-out—Generalities, definitions, symbols, indications on drawings	1100	Technical drawing
		1100.101	Part 101: General principles
1456	Metallic coatings—Electrodeposited coatings of nickel plus chromium and of copper plus nickel plus chromium	1192	Electroplated coatings—Nickel and chromium
2081	Metallic coatings—Electroplated coatings of zinc on iron or steel	1789	Electroplated coatings—Zinc on iron or steel
2093	Electroplated coatings of tin—Specification and test methods	4169	Electroplated coatings—Tin and tin alloys
—		2420	Fire test methods for solid insulating materials and non-metallic enclosures used in electrical equipment

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