

Australian/New Zealand Standard™

Appliance couplers for household and similar general purposes

Part 2.2: Interconnection couplers for household and similar equipment (IEC 60320-2-2, Ed. 2.0 (1998) MOD)

AS/NZS 60320.2.2:2004

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PREFACE

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

This Standard forms the first edition of AS/NZS 60320.2.2, *Appliance couplers for household and similar general purposes, Part 2.2: Interconnection couplers for household and similar equipment*.

The objective of this Standard is to provide Australian and New Zealand electrical industries, manufacturers and regulatory bodies with safety requirements for interconnection couplers for household and similar equipment 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 to be used in conjunction with AS/NZS 60320.1.

This Standard is an adoption with national modifications and contains the full text of IEC 60320-2-2, Ed. 2.0 (1998), *Appliance couplers for household and similar general purposes Part 2-2: Interconnection couplers for household and similar equipment*.

The clauses of this Standard supplement or modify the corresponding clauses of AS/NZS 60320.1. When a particular clause of AS/NZS 60320.1 is not mentioned in this Standard, the clause of AS/NZS 60320.1 applies without modification as far as is reasonable. Where this Standard states 'addition', 'modification' or 'replacement', the relevant requirement, test specification or explanatory matter in AS/NZS 60320.1 should be adapted accordingly.

Clauses which are additional to those in AS/NZS 60320.1 are numbered starting from 101.

Where in AS/NZS 60320.1 the words 'appliance coupler', 'connector' or 'appliance inlet' appear, they should be deleted and replaced by 'interconnection coupler', 'plug connector' or 'appliance outlet' respectively.

Variations to IEC 60320-2-2 are indicated at the appropriate places throughout this standard. Strikethrough (**example**) identifies IEC text, tables and figures which, for the purposes of this Australian/New Zealand Standard, are deleted. Where text, tables or figures are added, each is set in its proper place and identified by shading (**example**). Added figures are not themselves shaded, but are identified by a shaded border.

The essential safety requirements in AS/NZS 3820 that could be applicable to interconnection couplers for household and similar equipment are covered by this Standard taken in conjunction with any other relevant requirements affecting safety.

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

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

- (a) The number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) A full point should be substituted for a comma when referring to a decimal marker.
- (c) In Clauses 15.2, 22.3 and 22.4, replace IEC 'Type of cord' with the following:
 - (i) 60227 IEC 53 – Ordinary duty PVC insulated sheathed.
 - (ii) 60245 IEC 53 – Ordinary duty elastomer insulated sheathed.

The numbering of clauses, subclauses, notes, tables, figures and annexes follows that of IEC 60320-1. To allow for additional material to be introduced by Australia and New Zealand, the numbers 201 to 300 are used to number further clauses, subclauses, notes, tables and figures in this Standard.

This scheme has been introduced to reduce the likelihood of the IEC and Australia or New Zealand using the same clause or figure number for differing requirements. The use of the word VOID indicates that the IEC requirement is not used in Australia or New Zealand. The word is also used where the deletion of a particular requirement such as a Table would lead to the consequential renumbering of references within the body of the Standard and succeeding tables. Where Australia and New Zealand have added a requirement or made a change to a particular clause of IEC 60320-1 that clause number remains unchanged.

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

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Australian/New Zealand Standard**Appliance couplers for household and similar general purposes
Part 2.2: Interconnection couplers for household and similar equipment
(IEC 60320-2-2, Ed. 2.0 (1998) MOD)**

Any table, figure or text of the international standard that is struck through is not part of this standard. Any Australian/New Zealand table, figure or text that is added is part of this standard and is identified by shading.

1 Scope

This clause of IEC 60320-1 AS/NZS 60320.1 is replaced as follows:

This standard is applicable to two-pole interconnection couplers for use only, with and without earthing contact, with a rated voltage not exceeding 250 V and a rated current not exceeding 16 A, for household and similar appliances and equipment and intended for the interconnection of the electrical supply to electrical appliances or equipment for 50 Hz or 60 Hz supply.

NOTE 1 – Appliance outlets integrated in or incorporated in appliances or other equipment are within the scope of this standard. The dimensional and general requirements of this standard apply to such outlets, but certain tests may not be relevant.

NOTE 2 – The requirements for plug connectors are based on the assumption that the temperature of the socket contacts of the corresponding appliance outlets does not exceed 65 °C (cold conditions).

NOTE 3 – Interconnection couplers complying with this standard are suitable for use at ambient temperatures not normally exceeding 25 °C, but occasionally reaching 35 °C.

NOTE 4 – Interconnection couplers complying with the standard sheets in this standard are intended for the interconnection of appliances or equipment having no special protection against moisture; for the interconnection of other appliances or equipment and of an appliance or equipment which is subject to spillage of liquid in normal use, additional requirements are necessary.

NOTE 5 – Special constructions may be required

- in locations where special conditions prevail as, for example, in ships, vehicles and the like;
- in hazardous locations, for example, where explosions are liable to occur.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 60320. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this part of IEC 60320 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

~~IEC 60083:1997, Plugs and socket outlets for domestic and similar general use standardized in member countries of IEC~~

AS/NZS 3112, Approval and test specification—Plugs and socket outlets

~~IEC 60320-1:1994, Appliance couplers for household and similar general purposes—Part 1: General requirements~~