

AS/NZS 3112:2004
(Incorporating Amendment No. 1)

AS/NZS 3112:2004

Australian/New Zealand Standard™

**Approval and test specification—Plugs
and socket-outlets**



AS/NZS 3112:2004

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 24 November 2004 and on behalf of the Council of Standards New Zealand on 3 December 2004.

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The following are represented on Committee EL-004:

Australasian Railway Association
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Canterbury Manufacturers Association, New Zealand
Consumer Electronic Suppliers Association
Consumers' Federation of Australia
Electrical Regulatory Authorities Council
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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 3112:2000 on publication.

This Standard incorporates Amendment No. 1 (October 2006). 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 the Australian and New Zealand electrical industry including manufacturers, test laboratories and regulators with requirements and test methods for plugs and socket-outlets.

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 conditions which must be met to secure approval for the sale and use of electrical equipment. Only safety matters and related conditions are covered.

The essential safety requirements in AS/NZS 3820 that could be applicable to plugs and socket-outlets are covered by this Standard taken in conjunction with any other relevant requirements affecting safety.

This Standard was revised to introduce the following technical and editorial changes:

- (a) Amendments 1 and 2 to AS/NZS 3112:2000 have been incorporated into the text.
- (b) Requirements for the shape of the ends of plug pins.
- (c) Pin bending test.
- (d) Changes to fire test requirements.
- (e) Requirements with regards to any interference between metal contacts and thermoplastic or resilient mouldings.
- (f) Lateral strain test for two pin plugs.
- (g) Updating of cross-references to referred Standards and other minor editorial changes.

Notes to the text in the body of the Standard are not mandatory parts of the Standard.

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of a Standard.

This Standard does not provide all the necessary conditions for a contract.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	6
1.2 APPLICATION	6
1.3 REFERENCED DOCUMENTS	6
1.4 DEFINITIONS	7
SECTION 2 PLUGS	
2.1 TERMINALS AND INTERNAL CONNECTIONS	9
2.2 PLUG PINS	9
2.3 INSULATING MATERIALS	11
2.4 NON-REWIREABLE PLUGS	11
2.5 MEANS OF ENTRY AND CORD ANCHORAGE FOR FLEXIBLE CORD	12
2.6 RADIO INTERFERENCE SUPPRESSION DEVICES	13
2.7 FINGER-GRIP	13
2.8 RATINGS AND DIMENSIONS OF LOW VOLTAGE PLUGS	13
2.9 INTERNAL CONNECTIONS	14
2.10 ARRANGEMENT OF EARTHING CONNECTIONS	14
2.11 FUSES	14
2.12 MARKING	14
2.13 TESTS ON PLUGS	16
SECTION 3 SOCKET-OUTLETS	
3.1 TERMINALS AND INTERNAL CONNECTIONS	39
3.2 PROHIBITED ARRANGEMENTS	39
3.3 SOCKET-OUTLET CONTACTS	39
3.4 INSULATING MATERIALS	41
3.5 RADIO INTERFERENCE SUPPRESSORS	41
3.6 DIMENSIONS	41
3.7 ARRANGEMENT OF EARTHING CONNECTIONS	43
3.8 PREVENTION OF CONTACT WITH LIVE PINS	43
3.9 FUSES	44
3.10 FLOOR SOCKET-OUTLETS	44
3.11 SWITCHED SOCKET-OUTLETS	44
3.12 SHUTTERED SOCKET-OUTLETS	45
3.13 MARKING	45
3.14 TESTS FOR SOCKET-OUTLETS	46
APPENDICES	
A GAUGE FOR THREE-PIN FLAT-PIN PLUGS	59
B GAUGE FOR TWO-PIN FLAT-PIN PLUGS WITH PARALLEL PINS	60
C THREE-PIN TEST PLUG WITH FLAT PINS FOR FULL-INSERTION TEST AND THE FINGER TEST DURING NORMAL INSERTION TEST	61
D THREE-PIN TEST PLUG WITH FLAT PINS FOR ABNORMAL INSERTION TEST	62
E PLUGS AND SOCKET-OUTLETS FOR USE IN EXTRA-LOW VOLTAGE CIRCUITS	63
F GAUGE FOR FLAT AND ROUND PIN PLUGS	64

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