

AS/NZS 3120:2011  
(Incorporating Amendment No. 1)

AS/NZS 3120:2011

Australian/New Zealand Standard™

**Approval and test specification—Cord  
extension sockets**



## **AS/NZS 3120:2011**

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 May 2011 and on behalf of the Council of Standards New Zealand on 15 April 2011.  
This Standard was published on 29 August 2011.

---

The following are represented on Committee EL-004:

Australian Chamber of Commerce and Industry  
Australian Industry Group  
Consumer Electronics Suppliers Association  
Consumers Federation of Australia  
Electrical Compliance Testing Association  
Electrical Regulatory Authorities Council  
Engineers Australia  
International Accreditation New Zealand  
Ministry of Economic Development (New Zealand)  
National Electrical and Communications Association  
New Zealand Manufacturers and Exporters Association  
NSW Office of Fair Trading  
Office of the Technical Regulator (SA)  
Plastics Industry Pipe Association of Australia  
Testing Interests (Australia)

---

### **Keeping Standards up-to-date**

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Web Shop at [www.saiglobal.com.au](http://www.saiglobal.com.au) or Standards New Zealand web site at [www.standards.co.nz](http://www.standards.co.nz) and looking up the relevant Standard in the on-line catalogue.

For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

---

*This Standard was issued in draft form for comment as DR AS/NZS 3120.*

---

**AS/NZS 3120:2011**  
(Incorporating Amendment No. 1)

**Australian/New Zealand Standard™**

## **Approval and test specification—Cord extension sockets**

Originated in Australia as AS C120—1938.  
Final Australian edition 1990.  
Jointly revised and redesignated AS/NZS 3120:1993.  
Sixth edition 2011.  
Reissued incorporating Amendment No. 1 (July 2012).

### **COPYRIGHT**

© Standards Australia Limited/Standards New Zealand

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968 (Australia) or the Copyright Act 1994 (New Zealand).

Jointly published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, Private Bag 2439, Wellington 6140.

ISBN 978 0 7337 9915 0

## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-004, Electrical Accessories, to supersede AS/NZS 3120:1999 from the date of publication.

*This Standard incorporates Amendment No. 1 (July 2012). 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.*

This Standard is one of a series to be read in conjunction with AS/NZS 3100, *Approval and test specification—General requirements for electrical equipment*. The purpose of the series is to outline the conditions to 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, *Essential safety requirements for electrical equipment*, that could be applicable to inlet plugs and cord extension socket-outlets are covered by this Standard, taken in conjunction with any other relevant requirements affecting safety.

A1 | NOTE: Inlet plugs were previously specified in AS/NZS 60320.1 as Group 2 appliance inlets.

This edition of the Standard incorporates changes to the previous edition and includes the following technical and editorial changes to the content of the previous editions:

- (a) Introduction of requirements for Inlet plugs previously covered in Annex ZA of AS/NZS 60320.1, *Appliance couplers for household and similar general purposes, Part 1: General requirements (IEC 60320-1, Ed 2.0 (2001) (MOD)*.
- (b) Consequent editorial changes to introduce Sections 1, General, and Section 2, Cord extension sets.
- (c) Removal of the option for shrouds (360 projections) with all future 15 A CES to have shrouds (360 projections) applicable five years after publication.
- (d) Introduction of a test for inlet plugs with covers.

## CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE.....	4
1.2 APPLICATION .....	4
1.3 REFERENCED DOCUMENTS.....	4
1.4 DEFINITIONS.....	5
SECTION 2 CORD EXTENSION SOCKETS	
2.1 GENERAL.....	6
2.2 EXEMPTIONS FOR EXTRA-LOW VOLTAGE SOCKETS .....	6
2.3 LIMITATION OF OUTLETS.....	6
2.4 TERMINALS AND INTERNAL CONNECTIONS .....	6
2.5 CONTACTS .....	6
2.6 DIMENSIONS.....	7
2.7 ARRANGEMENT OF EARTHING CONNECTIONS .....	8
2.8 INSULATING MATERIALS .....	8
2.9 ATTACHMENT OF COVERS.....	8
2.10 EXTERNAL SHAPE .....	9
2.11 EXPOSED METAL .....	9
2.12 MEANS OF ENTRY AND CORD ANCHORAGE FOR FLEXIBLE CORD .....	10
2.13 RATINGS.....	10
2.14 INTERNAL CONNECTIONS.....	11
2.15 PREVENTION OF CONTACT WITH LIVE PINS.....	11
2.16 FUSES.....	12
2.17 SWITCHES .....	12
2.18 MARKING .....	12
2.19 TESTS .....	13
SECTION 3 INLET PLUG	
3.1 GENERAL.....	19
3.2 STANDARD RATINGS.....	19
3.3 MARKING .....	19
3.4 DIMENSIONS AND COMPATIBILITY .....	19
3.5 CONSTRUCTION.....	20
3.6 PARTS PROVIDING PROTECTION .....	21
3.7 RESISTANCE TO HEAT.....	21
3.8 SCREWS, CURRENT-CARRYING PARTS AND CONNECTIONS.....	22
3.9 TESTS ON INLET PLUGS .....	22

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
  - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-