Australian/New Zealand Standard[™]

Household and similar electrical appliances—Safety

Part 2.14: Particular requirements for kitchen machines (IEC 60335-2-14 Ed 5.1, MOD)





AS/NZS 60335.2.14:2007

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-002, Safety of Household and Similar Electrical Appliances and Small Power Transformers. It was approved on behalf of the Council of Standards Australia on 3 May 2007 and on behalf of the Council of Standards New Zealand on 30 March 2007.

This Standard was published on 25 May 2007.

The following are represented on Committee EL-002:

Australian Industry Group Australian Retailers Association Australian Electrical and Electronic Manufacturers Association Business New Zealand Consumer Electronic Suppliers Association, Australia Consumers' Federation of Australia Electrical regulatory authorities, Australia Electrical Compliance Testing Association Electrical consultants Electricity Supply Association of Australia Ministry of Economic Development, New Zealand New Zealand Electric Fence Energizer Manufacturers' Standards Group

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 Standards may also be withdrawn.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.standards.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

Alternatively, both organizations publish an annual printed Catalogue with full details of all current Standards. 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 06954.

Australian/New Zealand Standard™

Household and similar electrical appliances—Safety

Part 2.14: Particular requirements for kitchen machines (IEC 60335-2-14 Ed 5.1, MOD)

Originated in Australia as AS C162—1960. Originated in New Zealand as NZS/AS 3162—1990. Previous Australian edition AS 3162—1990. Jointly revised and redesignated AS/NZS 3162:1995. Jointly revised and redesignated AS/NZS 3350.2.14:1995. Jointly revised and redesignated as AS/NZS 60335.2.14:2004. Jointly revised and redesignated as AS/NZS 60335.2.14:2007. Reissued incorporating Amendment No. 1 (May 2009).

COPYRIGHT

© Standards Australia/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.

Jointly published by Standards Australia, GPO Box 476, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

CONTENTS

FOI	FOREWORD		
INT	RODUCTION	6	
1	Scope	7	
2	Normative references	8	
3	Definitions	8	
4	General requirement	.11	
5	General conditions for the tests	.11	
6	Classification	.12	
7	Marking and instructions	.12	
8	Protection against access to live parts	.13	
9	Starting of motor-operated appliances	.13	
10	Power input and current	.13	
11	Heating	.13	
12	Void	.16	
13	Leakage current and electric strength at operating temperature	.16	
14	Transient overvoltages	.16	
15	Moisture resistance	.16	
16	Leakage current and electric strength	.16	
17	Overload protection of transformers and associated circuits	.17	
18	Endurance	.17	
19	Abnormal operation	.17	
20	Stability and mechanical hazards	.18	
21	Mechanical strength	.23	
22	Construction	.24	
23	Internal wiring	.24	
24	Components	.24	
25	Supply connection and external flexible cords	.25	
26	Terminals for external conductors	.26	
27	Provision for earthing	.26	
28	Screws and connections	.26	
29	Clearances, creepage distances and solid insulation	.26	
30	Resistance to heat and fire	.26	
31	Resistance to rusting	.26	
32	Radiation, toxicity and similar hazards		
Fig	ure 101 – Slicing machine	.27	
Fig	ure 102 – Protecting devices for slicing machines	.28	
Fig	ure 103 – Schematic representation of the 30 ml spillage test	.29	

Annexes	30
Annex C (normative) Aging test on motors	30
Annex AA (normative) Alternative tests on sieves of centrifugal juicers	31
Annex ZZ (informative) Variations to IEC 60335-2-14 Ed 5.1 for application in Australia and New Zealand	33

liography34
