

AS/NZS 3164:1994

IEC 967:1988

IEC 967:1988 Amdt 1

Australian/New Zealand Standard

**Approval and test specification—
Safety of electrically heated
blankets, pads and similar
flexible heating appliances
for household use**

AS/NZS 3164:1994

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL/2, Electrical Approvals Standards. It was approved on behalf of the Council of Standards Australia on 15 April 1994 and on behalf of the Council of Standards New Zealand on 30 July 1993. It was published on 18 July 1994.

The following interests are represented on Committee EL/2:

Association of New Zealand Electrical Appliance Distributors
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Consumer Electronics Suppliers Association, Australia
Electrical regulatory authorities
Electrical Supply Association of Australia
Electrical test laboratories
Federal Bureau of Consumer Affairs, Australia
Institution of Engineers, Australia
Metal Trades Industry Association of Australia
Ministry of Commerce (Energy Inspection) New Zealand
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Suggestions for improvements to Joint Standards, addressed to the head office of either Standards Australia or Standards New Zealand, are welcomed. Notification of any inaccuracy or ambiguity found in a Joint Australian/New Zealand Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

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Australian/New Zealand Standard

Approval and test specification— Safety of electrically heated blankets, pads and similar flexible heating appliances for household use

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PREFACE

This Standard was prepared by the Joint Australia/New Zealand Standards Committee EL/2 on Electrical Approvals Standards to supersede AS 3164—1989, *Approval and test specification—Electric blankets*, and AS 3149—1987, *Approval and test specification—Flexible electric heating pads*, in Australia; and NZS 6317:1988, *Specification for safety of electric blankets*, in New Zealand. It was prepared to align Australian approval and test specifications and New Zealand Standards progressively with International Electrotechnical Commission (IEC) Standards for appliances.

This Standard is issued as a Joint Standard under the terms of the Active Cooperation Agreement between Standards Australia and Standards New Zealand.

Under arrangements made between Standards Australia, Standards New Zealand and the international Standards bodies, ISO and IEC, as well as certain other Standards organizations, users of this Australian/New Zealand Standard are advised that the number of this Standard is not reproduced on each page; its identity is shown only on the cover and title pages.

This Standard is reproduced from IEC 967:1988, *Safety of electrically heated blankets, pads and similar flexible heating appliances for household use* including Amendment 1.

A number of variations have been made in this Standard to the requirements of IEC 967:1988. These variations are necessary, to take into account the national requirements that apply in both Australia and New Zealand. Text subject to variation is indicated throughout the text of this Standard by boxes. Beneath the boxed IEC text and indicated by a marginal bar is the Australian/New Zealand requirement.

These variations also form the Australian national variations for purposes of the IEC scheme for recognition of results of testing to Standards for safety of electrical equipment (the CB scheme).

The numbering of Clauses and Figures closely follows that of IEC 967:1988. To allow for the introduction of additional material by the IEC, the numbers 1 to 100 have been reserved. Clauses numbered from 101 are used by the IEC to add to the body of the Standard by the appendices. To allow additional material to be introduced by Australia or New Zealand, the numbers 201 to 300 are used. This scheme eliminates the possibility 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. Where Australia and New Zealand has added a requirement or made a change to a particular Clause of IEC 967 that Clause number remains unchanged.

Australian/New Zealand Appendix ZA and Australian Appendix ZB have been added to this Standard. The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of these appendices. A ‘normative’ appendix is an integral part of a Standard whereas an ‘informative’ appendix is for information and guidance only.

In this Standard the requirements appear in roman type, notes and explanatory matter appear in smaller roman type, and tests appear in italics. The typeface of Amendment 1 is different to that of the published Standard. The typeface of the Amendment is unchanged and the Australian/New Zealand variations are published in the typeface style of Amendment 1.

This Standard will supersede AS 3164—1989 and AS 3149—1987 3 years from publication in Australia and supersedes NZS 6317:1988 2 years from publication in New Zealand.

For the purpose of this Standard, the source text should be modified as follows:

- (a) *Terminology* The words ‘this Australian/New Zealand Standard’ should replace the words ‘this International Standard’ wherever they appear.
- (b) *Decimal marker* Substitute a full point for a comma where it appears as a decimal point.

- (c) *References* The references to international Standards should be replaced by references, where appropriate, to the following Australian or Joint Australian/New Zealand Standards:

<i>Reference to International Standard or other Publication</i>		<i>Australian/New Zealand Standard</i>	
IEC		AS/NZS	
61	Lamp caps and holders together with gauges for the control of interchangeability and safety	—	
61-1	Part 1: Lamp caps	—	
65	Safety requirements for mains operated electronic and related apparatus for household and similar general use	3250	Approval and test specification —Mains operated electronic and related equipment for household and similar general use
83	Plugs and socket-outlets for domestic and similar general use	3112	Approval and test specification —Plugs and socket-outlets
		AS	
85	Thermal evaluation and classification of electrical insulation	2768	Electrical insulating materials —Evaluation and classification based on thermal endurance
112	Method for determining the comparative and proof-tracking indices of solid insulating materials under moist conditions	—	
127	Cartridge fuse-links for miniature fuses	—	
127-3	Part 3: Sub-miniature fuse-links	—	
		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
238	Edison screw lampholders	3140	Approval and test specification —Edison-type screw lampholders
		AS	
309	Plugs, socket-outlets and couplers for industrial purposes	3123	Approval and test specification—Plugs, socket-outlets and couplers for general industrial application
320	Appliance couplers for household and similar general purposes	3109	Approval and test specification —Appliance couplers for household and similar general purposes
		3109.1	Part 1: General requirements
		AS/NZS	
328	Switches for appliances	3133	Approval and test specification—Air break switches

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