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APPROVAL AND TEST SPECIFICATION FOR

ELECTRIC BLANKETS

PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA
STANDARDS HOUSE, 80 ARTHUR ST, NORTH SYDNEY, N.S.W.

Incorporated by Royal Charter

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THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL organizations or departments were officially represented on the committee entrusted with the preparation of this specification:

Australian Chamber of Commerce

Australian Electrical and Electronics Manufacturers Association

Confederation of Australian Industry

Electrical Apparatus Approvals Authorities

Electrical Contractors Associations of Australia

Electrical Testing Laboratories

Electricity Supply Association of Australia

Electronic Importers Association

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STANDARDS ASSOCIATION OF AUSTRALIA
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AMENDMENT No 1
to
AS 3164—1981
Approval and Test Specification
for
ELECTRIC BLANKETS

The 1981 edition of AS 3164 is amended as follows; the amendment should be inserted in the appropriate place.

SUMMARY: The following sections of the standard are covered by this amendment: Table 1 and Clauses 17.15 (new) and 17.16 (new). In addition a number of references to AS C100 have been changed to AS 3100.

Published on 10 May 1982.

PREFACE

This revised specification, prepared by Committee EL/2, Electrical Approvals Standards, was approved on behalf of the Council of the Standards Association of Australia on 3 February 1981, and published on 1 May 1981.

It is one of a series of approval and test specifications issued by the Association. These specifications are accompanied by a general specification AS ~~C100~~ 3100 SEE AMENDMENT 1 (5.82), containing definitions and general requirements for electrical materials and equipment. The purpose of these specifications is to outline conditions which must be met to secure approval for the sale and use of electrical equipment in Australia. Only safety matters and related conditions are covered.

This edition is technically identical with the 1975 edition except that it incorporates Amendments Nos 1 to 3 to that edition which were issued in May and August 1977, and July 1979 respectively, and includes changes to the following:

- Clause 13.1 adds requirements for fuses incorporated in switches
- Clause 15.1 modifies marking requirements
- Table 1 additional test
- Clause 17.6 modifies testing requirements
- Clause 17.7 modifies testing requirements
- Clause 17.12 modifies testing requirements
- Clause 17.14 adds an additional test
- Clause 19 clarifies existing requirement
- Appendix A adds a new marking requirement
- Appendix G modifies existing requirement

Some editorial updating has also been carried out.

This specification supersedes AS 3164—1975 from date of publication.

The Association desires to call attention to the fact that this specification does not purport to include all the necessary provisions of a contract.

This specification requires reference to the following Australian standard approval and test specifications:

AS 3[illegible]	Air Break Switches
AS 316[illegible]	Thermostats and Energy Regulators
AS ~~C100~~ 3100 SEE AMENDMENT 1 (5.82)	Definitions and General Requirements for Electrical Materials and Equipment
AS C109	Appliance Plugs and Appliance Inlet Sockets
AS C112	Plugs and Plug Sockets
AS C120	Cord Extension Sockets
AS C126	Extra-low Voltage Transformers

and to the following Australian standards:

AS 1660	Methods of Test for Electric Cables and Flexible Cords Part 1—Test Methods for Conductors Part 2—Test Methods for Insulation, Sheath and Braid Part 3—Test Methods for Complete Cable Part 4—Test Methods for Complete Flexible Cords
AS 3000	SAA Wiring Rules

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard
APPROVAL AND TEST SPECIFICATION FOR ELECTRIC BLANKETS

3100 SEE AMENDMEN

This specification shall be read in conjunction with AS C100. (See Clau 3, below.)

1 SCOPE. This specification prescribes safety requirements fo electrically-heated blankets, including underblankets (mattress ove lays) and overblankets for connection to low and extra-low voltage supp.

In addition to the blanket itself, the specification a lies to any transformer supplied with or intended for connection to particular blanket. It does not apply to heating pads covered by AS 31 or to electrically-heated mattresses.

NOTE: This specification is based upon considera on o blan ets with conventional wire wound heating units with solid insulation, and wh ch fo m t bulk of the present Australian market. It is envisaged that further consideration ill b iven to additional requirements for blankets with different features and employing her forms of heating unit.

2 DEFINITIONS. For the purpose f t is specification the following definitions apply:

2.1 Electric blanket—a flat, flexible, electrically-heated appliance, designed for the general applica of heat to a bed, and having a projected surface heating area exceeding 1.5 m².

2.2 Heating element—the actual electrical conducting medium which is heated by an electric c re

2.3 Heating unit—the heating element together with a supporting core and any covering in tion.

2.4 Non-co re heating unit—a heating unit with an exposed heating element int nde to be either woven into a supporting fabric or otherwise effectivel lo ted.

2.5 Und rblanket (mattress overlay)-an electric blanket which is designed to be use over the mattress and under the occupant of the bed.

2. Overblanket—an electric blanket which is designed to be used over the occupant of the bed.

2.7 Projected surface heating area—the area, projected on to a horizontal plane on which the blanket is laid out flat, of that portion of the blanket containing the heating unit.

2.8 Parallel path—any section of heating unit connected across the supply terminals on an electric blanket.