

**AS/NZS 3139.1:1995**

IEC 1058-1:1990

IEC 1058-1:1990/Amd 1:1993

IEC 1058-1:1990/Amd 2:1994

Australian/New Zealand Standard

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**Approval and test specification—  
Switches for appliances**

**Part 1: General requirements**

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## AS/NZS 3139.1:1995

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL/4, Electrical Accessories. It was approved on behalf of the Council of Standards Australia on 5 December 1994 and on behalf of the Council of Standards New Zealand on 31 January 1995. It was published on 5 April 1995.

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The following interests are represented on Committee EL/4:

Australian Chamber of Commerce and Industry  
Australian Electrical and Electronic Manufacturers Association  
Consumer Electronic Suppliers Association, Australia  
Electricity Supply Association of Australia  
Ministry of Commerce, New Zealand  
National Electrical Contractors Association, Australia  
New Zealand Manufacturers Federation  
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Railways of Australia Committee  
Regulatory authorities (electrical), Australia

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### **Approval and test specification— Switches for appliances**

### **Part 1: General requirements**

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/4 on Electrical Accessories to replace, in part, AS 3133—1989, *Approval and test specification—Air break switches*. It was prepared to align Australian approval and test specifications and New Zealand Standards progressively with International Electrotechnical Commission (IEC) Standards for electrical accessories.

The object of this Standard is to outline conditions which must be met to secure approval for the sale and use of switches for appliances. Only safety matters and related conditions are covered.

This Standard is equivalent in technical content but fully corresponding in presentation to IEC 1058-1:1990, *Switches for appliances*, Part 1: *General requirements*, including Amendments 1 and 2.

A number of variations have been made in this Standard to the requirements of IEC 1058-1:1990. These variations are necessary to take into account the national requirements for switches for appliances that apply in both Australia and New Zealand. Text, subject to variations, 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, Notes and Figures closely follows those of IEC 1058-1:1990. To allow additional material to be introduced by Standards Australia or Standards New Zealand, the numbers 201 to 300 are used. This scheme has been introduced to reduce the likelihood of the IEC and Australia or New Zealand using the same numbers for differing requirements.

In this Standard, the following print types are used:

—Requirements proper: in roman type;

—*Test specifications: in italic type;*

—Notes: in smaller roman type.

In Australia, this Standard will replace, in part, AS 3133—1989 or any subsequent revisions of AS 3133, 10 years from publication. During this period, it is anticipated that regulatory authorities will approve switches for appliances to either specification.

As this Standard is reproduced from an international Standard, the following applies:

- (a) The Standard number does not appear on each page of text and its identity is shown on the cover.
- (b) In the source text 'this International Standard' should read 'this Australian/New Zealand Standard'.
- (c) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by equivalent Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
IEC		AS	
50(441)	International Electrotechnical Vocabulary Chapter 441: Switchgear, control-gear and fuses	1852.441	International Electrotechnical Vocabulary—Switchgear, controlgear and fuses
50(826)	International Electrotechnical Vocabulary Chapter 826: Electrical installations of buildings	1852.826	International Electrotechnical Vocabulary—Electrical installations of buildings

IEC 65	Safety requirements for mains operated electronic and related apparatus for household and similar general use	AS 3250	Approval and test specification— Mains operated electronic and related equipment for household and similar general use
68-2-20	Environmental testing— Part 2: Test—Test T: Soldering	—	
112	Method for determining the comparative and the proof tracking indices of solid insulating materials under moist conditions	2420	Fire test methods for solid insulating materials and non-metallic enclosures used in electrical equipment
228A	Conductors of insulated cables. First supplement: Guide to the dimensional limits of circular conductors	—	
335-1	Safety of household and similar electrical appliances— Part 1: General requirements	AS/NZS 3350 3350.1	Approval and test specification— Safety household and similar electrical appliances General requirements
417	Graphical symbols for use on equipment. Index, survey and compilation of the single sheets	AS 1104	Informative symbols for use on electrical and electronic equipment
529	Classification of degrees of protection provided by enclosures	1939	Degrees of protection provided by enclosures for electrical equipment (IP Code)
617-2	Graphical symbols for diagrams— Part 2: Symbol elements, qualifying symbols and other symbols having general application	1102 1102.102	Graphical symbols for electrotechnology Symbol elements, qualifying symbols and other symbols having general application
664	Insulation co-ordination within low-voltage systems including clearances and creepage distances for equipment	—	
664A	First supplement	—	
669-1	Switches for household and similar fixed electrical installations— Part 1: General requirements	3133	Approval and test specification— Air break switches
685-2-3	Connecting devices (junction and/or tapping) for household and similar fixed electrical installations— Part 2: Particular requirements— Insulation piercing connecting devices for insulated copper conductors	—	
695-2-1	Fire hazard testing— Part 2-1: Test methods—Glow-wire test and guidance	2420	Fire test methods for solid insulating materials and non-metallic enclosures used in electrical equipment

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