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AS/NZS 60898.1:2004

Australian/New Zealand Standard™

Electrical accessories—Circuit-breakers for overcurrent protection for household and similar installations

Part 1: Circuit-breakers for a.c. operation (IEC 60898-1, Ed. 1.2 (2003) MOD)

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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 25 June 2004 and on behalf of the Council of Standards New Zealand on 9 July 2004.
This Standard was published on 13 August 2004.

The following are represented on Committee EL-004:

Australasian Railway Association
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Canterbury Manufacturers Association, New Zealand
Consumer Electronic Suppliers Association
Ministry of Economic Development (New Zealand)
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This Standard was issued in draft form for comment as DR 04122.

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Originated as AS/NZS 4898:1997.
Jointly revised and redesignated as AS/NZS 60898.1:2004.

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Jointly published by Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 3575 4

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-004, Electrical Accessories to supersede AS/NZS 4898:1997, *Approval and test specification—Circuit-breakers for overcurrent protection for household and similar installations,* from the date of publication.

This Standard forms the first edition of AS/NZS 60898-1, *Electrical accessories—Circuit-breakers for overcurrent protection for household and similar installations* Part 1: *Circuit-breakers for a.c. operation.*

This Standard is to be used in conjunction with the appropriate Part 2, which contains clauses that supplement or modify the corresponding clauses in Part 1, to provide the relevant requirements for the appropriate type of product.

The objective of this Standard is to provide Australian and New Zealand electrical industries, manufacturers and regulatory bodies with safety general requirements for circuit-breakers for a.c. operation, and which may be used as the bases for approval for sale or for connection to supply in Australia and New Zealand.

This Standard is an adoption with national modifications and has been reproduced from, IEC 60898-1, Ed. 1.2 (2003), *Electrical accessories—Circuit-breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation* which includes Amendment 1:2002 and Amendment 2:2003.

Variations to IEC 60898-1 to take account of Australian/New Zealand conditions are indicated at the appropriate places throughout this standard. Strikethrough (~~example~~) identifies IEC text, tables and figures which, for the purposes of this Australian/New Zealand Standard, are deleted. Where text, tables or figures are added, each is set in its proper place and identified by shading (example). Added figures are not themselves shaded, but are identified by a shaded border.

Variations made to IEC 60898-1 form the Australian/New Zealand variations for the purposes of the CB scheme for recognition of testing to standards for safety of electrical equipment. These variations have been incorporated in the body of the standard. They are listed in Annex ZZ for easy reference.

This Standard will exist in parallel with AS/NZS 3111, *Approval and test specification—Miniature overcurrent circuit-breakers* (and any revisions thereof). Both this Standard and AS/NZS 3111 are acceptable for miniature overcurrent circuit-breakers.

The essential safety requirements in AS/NZS 3820 that could be applicable to miniature circuit-breakers are covered by this Standard taken in conjunction with any other relevant requirements affecting safety.

The terms ‘normative’ and ‘informative’ are used to define the application of the annex to which they apply. A normative annex is an integral part of a standard, whereas an informative annex is only for information and guidance.

In this Standard, the following print types are used:

– requirements proper: in arial type;

– *test specifications: in italic type;*

– explanatory matter: in smaller arial type.

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

(a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.

(b) In the source text ‘IEC 60898’ should read ‘AS/NZS 60898’.

(c) A full point should be substituted for a comma when referring to a decimal marker.

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The numbering of clauses, subclauses, notes, tables, figures and annexes follows that of IEC 60898-1. To allow for additional material to be introduced by Australia and New Zealand, the numbers 201 to 300 are used to number further clauses, subclauses, notes, tables and figures in this Standard.

This scheme has been introduced to reduce the likelihood 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 and succeeding tables. Where Australia and New Zealand have added a requirement or made a change to a particular clause of IEC 60898-1 that clause number remains unchanged.

This Standard does not purport to include all the necessary conditions of a contract.

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