Australian/New Zealand Standard™

Connecting devices for low-voltage circuits for household and similar purposes

Part 2.1: Particular requirements for connecting devices as separate entities with screw-type clamping units

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 27 September 2012 and on behalf of the Council of Standards New Zealand on 21 September 2012.
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The following are represented on Committee EL-004:

Australian Industry Group
Consumer Electronics Suppliers Association
Consumers Federation of Australia
Electrical Compliance Testing Association
Electrical Regulatory Authorities Council
Engineers Australia
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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 AS/NZS IEC 60998.2.1.

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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 60998.2.1:1998, *Connecting devices for low-voltage circuits for household and similar purposes*, Part 2.1: *Particular requirements for connecting devices as separate entities with screw-type clamping units.*

The objective of this Standard is to provide Australian and New Zealand electrical industries with requirements for connecting devices with screw-type clamping units primarily suitable for connecting unprepared conductors.

This Standard is identical with, and has been reproduced from IEC 60998-2-1, Ed.2.0 (2002), *Connecting devices for low-voltage circuits for household and similar purposes*—Part 2-1: *Particular requirements for connecting devices as separate entities with screw-type clamping units*. See the Foreword for guidance on how to use this Standard. Note that IEC 60998-1 has been adopted as AS/NZS IEC 60998.1.

This Standard is structured in the following layout:

(a) An Australian/New Zealand Preface.

(b) IEC 60998-2-1, Ed 2.0 (2002) unedited (apart from the deletion in the IEC Foreword of irrelevant IEC procedural details) from the contents page to the final Clause of the source document.

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

(i) Its number appears on the cover and title page while the International Standard number appears only on the cover.

(ii) A full point substitutes for a comma when referring to a decimal marker.

The terms ‘normative’ and ‘informative’ have been used in this Standard 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.

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FOREWORD

This standard constitutes Part 2-1 of the IEC 60998 series, published under the general title *Connecting devices for low voltage circuits for household and similar purposes.* This series consists of Part 1, devoted to general requirements, and various Parts 2, devoted to particular requirements.

This Part 2-1 is intended to be used in conjunction with IEC 60998-1. It was established on the basis of the second edition (2002) of that standard.

It supplements or modifies the corresponding clauses in IEC 60998-1,so as to convert that publication into the IEC standard: Particular requirements for connecting devices as separate entities with screw-type clamping units.

Where a particular subclause of Part 1 is not mentioned in this Part 2-1, that subclause applies as far as is reasonable. Where this standard states “addition”, “modification” or “replacement”, the relevant requirements, test specification or explanatory matter in Part 1 should be adapted accordingly.

In this standard

a) the following print types are used:
   - requirements proper: in roman type;
   - *test specifications: in italic type;*
   - explanatory matter: in smaller roman type.

b) Subclauses and figures which are additional to those in Part 1 are numbered starting from 101; additional annexes are lettered AA, BB, etc.

AUSTRALIAN/NEW ZEALAND STANDARD

Connecting devices for low-voltage circuits for household and similar purposes

Part 2.1:
Particular requirements for connecting devices as separate entities with screw-type clamping units

1 Scope

This clause of Part 1 is applicable except as follows:

Addition:

This standard applies to connecting devices with screw-type clamping units primarily suitable for connecting unprepared conductors.

2 Normative references

This clause of Part 1 is applicable.

3 Definitions

This clause of Part 1 is applicable except as follows:

Additional definitions:

3.101
screw-type terminal
terminal for the connection of two or more conductors by means of screw-type clamping units

3.101.1
pillar terminal
terminal in which the conductors are inserted into a hole or cavity, where they are clamped under the shank of a screw or screws. The clamping pressure may be applied directly by the shank of the screw or through an intermediate part to which pressure is applied by the shank of the screw

NOTE Examples of pillar terminals are given in Figure 101.

3.101.2
screw terminal
terminal in which the conductors are clamped under the head of one or more screws. The clamping pressure may be applied directly by the head of a screw or through an intermediate part, such as a washer, a clamping plate or an anti-spread device

NOTE Examples of screw terminals are given in Figure 102.