

Australian/New Zealand Standard™

**Connecting devices—Electrical copper
conductors—Safety requirements for
screw-type and screwless-type
clamping units**

**Part 2: Particular requirements for
clamping units for conductors above
35 mm² up to 300 mm² (included)**



AS/NZS IEC 60999.2:2012

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 March 2012 and on behalf of the Council of Standards New Zealand on 29 March 2012.

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Consumer Electronics Suppliers Association
Electrical Compliance Testing Association
Electrical Regulatory Authorities Council
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This Standard was issued in draft form for comment as DR AS/NZS IEC 60999.2.

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-004, Electrical Accessories.

The objective of this Standard is to provide the Australian and New Zealand electrical industry, including manufacturers, regulators, test laboratories and certification bodies, with requirements for screw-type and screwless-type clamping units for connecting devices, either as separate entities or as integral parts of equipment, for the connection of electrical copper conductors, rigid stranded and/or flexible, having a cross-section above 35 mm² and up to and including 300 mm² and equivalent AWG/kcmil sizes with a rated voltage not exceeding 1000 V a.c. and a frequency up to and including 1000 Hz and 1500 V d.c.

The essential safety requirements in AS/NZS 3820, *Essential safety requirements for electrical equipment*, that could be applicable to screw-type and screwless-type clamping units for conductors above 35 mm² up to 300 mm² (included) are covered by this Standard, taken in conjunction with any other relevant requirements affecting safety.

This Standard is identical with, and has been reproduced from, IEC 60999-2, Ed 2.0 (2003), *Connecting devices—Electrical copper conductors—Safety requirements for screw-type and screwless-type clamping units—Part 2: Particular requirements for clamping units for conductors above 35 mm² up to 300 mm² (included)*.

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

- (a) Its number appears on the cover and title page while the International Standard number appears only on the cover.
- (b) In the source text 'this part of IEC 60999' should read 'this Australian/New Zealand Standard'.
- (c) A full point substitutes for a comma when referring to a decimal marker.

Only international references that have been adopted as Australian or Australian/New Zealand Standards have been listed.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

CONTENTS

1	Scope	1
2	Normative references.....	1
3	Definitions	1
4	General	2
5	General notes on tests.....	2
6	Main characteristics	2
7	Connection of conductors	2
8	Constructional requirements	3
9	Tests	4
	Annex A (informative) Relationship between mm ² and AWG/kcmil sizes	10
	Annex B (normative) Conductor rated cross-section and corresponding gauges	11
	Annex C (normative) Construction of stranded and flexible conductors.....	12
	Bibliography.....	13
	Figure 1 – Test apparatus according to 9.4	9
	Figure 2 – Gauges of form A and form B	9
	Table 1 – Relationship between rated cross-section and diameter of conductors.....	3
	Table 2 – Test values for flexion and pull-out tests for round copper conductors	6
	Table 3 – Tightening torques for the verification of the mechanical strength of screw-type terminals	7
	Table A.1 – Approximate relationship between mm ² and AWG/kcmil sizes	10
	Table B.1 – Rated cross-section and corresponding gauges	11
	Table C.1 – Construction of stranded and flexible conductors according to rated cross-sections.....	12
	Table C.2 – Construction of stranded and flexible conductors according to AWG/kcmil sizes	12

AUSTRALIAN/NEW ZEALAND STANDARD

Connecting devices—Electrical copper conductors—Safety requirements for screw-type and screwless-type clamping units**Part 2:**

Particular requirements for clamping units for conductors above 35 mm² up to 300 mm² (included)

1 Scope

This part of IEC 60999 applies to screw-type and screwless-type clamping units for connecting devices, either as separate entities or as integral parts of equipment, for the connection of electrical copper conductors (complying with IEC 60228), rigid stranded and/or flexible, having a cross-section above 35 mm² and up to and including 300 mm² and equivalent AWG/kcmil sizes with a rated voltage not exceeding 1000 V a.c. and a frequency up to and including 1000 Hz and 1500 V d.c.

It applies to clamping units primarily suitable for connecting unprepared conductors.

This standard does not apply to clamping units:

- for connection by crimping or soldering;
- for non-universal clamping units defined in 3.10.2 of IEC 60999-1.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60228:1978, *Conductors of insulated cables*
Amendment 1 (1993)

IEC 60228A:1982, *Conductors of insulated cables – First supplement*

IEC 60999-1:1999, *Connecting devices – Electrical copper conductors – Safety requirements for screw-type and screwless-type clamping units – Part 1: General requirements and particular requirements for clamping units for conductors from 0,2 mm² up to 35 mm² (included)*

3 Definitions

For the purposes of this part of IEC 60999, Clause 3 of IEC 60999-1 applies, with the following modifications.

Definition 3.10.2 of IEC 60999-1 is not applicable.