

Australian/New Zealand Standard™

**Boxes and enclosures for electrical
accessories for household and similar
fixed electrical installations**

**Part 22: Particular requirements for
connecting boxes and enclosures**



AS/NZS IEC 60670.22:2012

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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Australian Industry Group
Consumer Electronics Suppliers Association
Electrical Compliance Testing Association
Electrical Regulatory Authorities Council
Engineers Australia
International Accreditation New Zealand
Ministry of Economic Development, New Zealand
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Part 22: Particular requirements for connecting boxes and enclosures

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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 boxes and enclosures for electrical accessories for household and similar fixed electrical installations, with particular application to connecting boxes for junction(s) and/or tappings.

The essential safety requirements in AS/NZS 3820, *Essential safety requirements for electrical equipment*, that could be applicable to boxes and enclosures for electrical accessories for household and similar fixed electrical installations 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 60670-22, Ed. 1.0 (2003), *Boxes and enclosures for electrical accessories for household and similar fixed electrical installations—Part 22: Particular requirements for connecting boxes and enclosures*.

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

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

<i>Reference to International Standard</i>	<i>Australian/New Zealand Standard</i>
IEC	AS/NZS
60998 Connecting devices for low voltage circuits for household and similar purposes (series)	60998 Connecting devices for low voltage circuits for household and similar purposes (series)

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

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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AUSTRALIAN/NEW ZEALAND STANDARD

Boxes and enclosures for electrical accessories for household and similar fixed electrical installations

Part 22:

Particular requirements for connecting boxes and enclosures

1 Scope

This clause of Part 1 applies with the following addition:

Add after the fourth paragraph:

This standard applies to connecting boxes for junction(s) and/or tapping(s)

NOTE Unless otherwise stated, throughout the document the term "boxes" also applies to enclosures".

2 Normative references

This clause of Part 1 applies with the following addition:

IEC 60998 (series), *Connecting devices for low-voltage circuits for household and similar purposes*

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

This clause of Part 1 applies with the following additions:

3.101**connecting box****junction box**

box allowing connection of conductors

3.101.1**junction connecting box**

connecting box allowing connection of one or more junctions

3.101.2**tapping connecting box**

connecting box allowing connection of one or more taps from one or more main conductors

NOTE Connecting boxes according to 3.101.1 and 3.101.2 may be combined.