

Australian Standard™

**Approval and test specification for
overhead line connector boxes**

This Australian Standard was prepared by Committee EL-004, Electrical Accessories. It was approved on behalf of the Council of Standards Australia on 02 July 2002.
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Australasian Railway Association
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Canterbury Manufacturers Association, New Zealand
Consumer Electronics Suppliers Association
Electricity Supply Association of Australia
Energy Safety Service, New Zealand
International Accreditation New Zealand
National Electrical and Communications Association
Plastics and Chemicals Industries Association
Regulatory authorities (Electrical), Australia
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STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 3124—2002

Approval and test specification for overhead line connector boxes

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Technical Committee EL-004 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

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Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 26 June 2020.

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New Zealand Manufacturers and Exporters Association
NSW Fair Trading
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WorkSafe New Zealand

NOTES

Australian Standard™

**Approval and test specification for
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PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee EL-004 on Electrical Accessories, to supersede AS 3124—1982. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

This Standard incorporates Amendment No. 1 (February 2005). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

The requirements (including those in Amendment No.1, 1985) were reviewed and accepted without change by EL-004 in 2002. Clause 1 has been rearranged according to editorial policy and the list of referenced documents now contained in Clause 1.2 has been brought up to date.

This Standard is one of a series of approval and test specifications issued by Standards Australia and Standards New Zealand. These Standards are to be read in conjunction with AS/NZS 3100, *Approval and test specification—General requirements for electrical equipment*. The purpose of these Standards is to outline conditions which must be met to secure approval for the sale and use of electrical equipment in Australia. Only safety matters and related conditions are covered.

This edition includes requirements for the use of protective devices, such as circuit-breakers and fuses in the connector boxes, and for terminals for aluminium conductors.

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STANDARDS AUSTRALIA

Australian Standard

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1 SCOPE AND REFERENCED DOCUMENTS**1.1 Scope**

This specification applies to fixed devices for connecting low or medium voltage overhead lines to —

- (a) fixed wiring; and
- (b) overheadlines.

Such devices include those fitted with fuses or circuit-breakers.

1.2 Referenced documents

This Specification requires reference to the following documents:

STANDARDS

AS

1856 Electroplated coatings—Silver

1939 Degrees of protection provided by enclosures for electrical equipment (IP Code)

2005 Low voltage fuses—Fuses with enclosed fuse links

AS/NZS

2053 Conduits and fittings for electrical installations

3000 Electrical installations (known as the Australian/New Zealand wiring rules)

APPROVAL AND TEST SPECIFICATIONS

AS

3111 Miniature overcurrent circuit-breakers

AS/NZS

3100 General requirements for electrical equipment

2 DEFINITIONS

For the purpose of this specification, the following definitions apply:

2.1 Overhead line connector box

An electrical accessory intended for the connection of conductors as detailed under Clause 1 and hereinafter referred to as a 'connector box'.

2.2 Terminal

A connecting device, other than a fuse-contact, which is fitted or incorporated in a connector box for the purpose of effecting a connection between conductors.