

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.  
This Standard was published on 18 July 2002.

---

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 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  
Testing Interests (Australia)

---

#### **Keep your Standards up-to-date**

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about Standards can be found by visiting the Standards Web Shop at [www.standards.com.au](http://www.standards.com.au) and looking up the relevant Standard in the on-line catalogue.

Alternatively, the printed Catalogue provides information current at 1 January each year, and the monthly magazine, *The Global Standard*, has a full listing of revisions and amendments published each month.

Australian Standards™ and other products and services developed by Standards Australia are published and distributed under contract by SAI Global, which operates the Standards Web Shop.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at [mail@standards.org.au](mailto:mail@standards.org.au), or write to the Chief Executive, Standards Australia, GPO Box 5420, Sydney, NSW 2001.

STANDARDS AUSTRALIA

---

RECONFIRMATION

OF

AS 3124—2002

Approval and test specification for overhead line connector boxes

---

RECONFIRMATION NOTICE

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.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

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

The following are represented on Technical Committee EL-004:

Australian Chamber of Commerce and Industry  
Australian Industry Group  
Consumer Electronics Suppliers Association  
Consumers Federation of Australia  
Electrical Compliance Testing Association of Australia  
Electrical Regulatory Authority Council  
Engineers Australia  
International Accreditation New Zealand  
Joint Accreditation System of Australia & New Zealand  
New Zealand Manufacturers and Exporters Association  
NSW Fair Trading  
Plastics Industry Association of Australia  
WorkSafe New Zealand

NOTES

Currently in preview, click buy full vers.

Australian Standard™

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

Original standard AS 3124—1939.  
Previous edition AS 3124—1982.  
Second edition 2002.  
Reissue incorporating Amendment No.1 (February 2005).

**COPYRIGHT**

© Standards Australia

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Published by Standards Australia, GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 4723 X

## 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.

## CONTENTS

	<i>Page</i>
1 SCOPE AND REFERENCED DOCUMENTS .....	4
2 DEFINITIONS.....	4
3 COMPLIANCE WITH SPECIFICATIONS.....	5
4 DESIGN AND CONSTRUCTION .....	5
5 CONNECTING FACILITIES.....	6
6 PROTECTIVE DEVICES.....	6
7 MARKING .....	7
8 TESTS .....	7

Currently in preview, click buy full version

## STANDARDS AUSTRALIA

## Australian Standard

## Approval and test specification for overhead line connector boxes

**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**

A 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.