

Australian/New Zealand Standard™

**Low-voltage switchgear and controlgear assemblies**

**Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use—Distribution boards  
(IEC 60439-3:1990 MOD)**

### **AS/NZS 3439.3:2002**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-006, Industrial Switchgear and Controlgear. It was approved on behalf of the Council of Standards Australia on 8 October 2002 and on behalf of the Council of Standards New Zealand on 2 October 2002. It was published on 11 December 2002.

---

The following are represented on Committee EL-006:

Australasian Railway Association  
Australian Chamber of Commerce and Industry  
Australian Electrical and Electronic Manufacturers Association  
Bureau of Steel Manufacturers of Australia  
Electrical Contractors Association of New Zealand  
Electricity Supply Association of Australia  
Independent Electrical Switchboard Manufacturers Association  
Institution of Engineers Australia  
Ministry of Economic Development New Zealand  
National Electrical and Communications Association  
Testing Interests (Australia)  
WorkCover

---

#### **Keeping 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 Standards may also be withdrawn.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 joint Australian/New Zealand Standards can be found by visiting the Standards Australia web site at [www.standards.com.au](http://www.standards.com.au) or Standards New Zealand web site at [www.standards.co.nz](http://www.standards.co.nz) and looking up the relevant Standard in the on-line catalogue.

Alternatively, both organizations publish an annual printed Catalogue with full details of all current Standards. For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

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 International or Standards New Zealand at the address shown on the back cover.

---

# **Australian/New Zealand Standard™**

## **Low-voltage switchgear and controlgear assemblies**

### **Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use—Distribution boards (IEC 60439-3:1990 MOD)**

Originated as AS 3132—1991 and AS 3439.3—1995.  
AS 3132—1991 and AS 3439.3—1995 jointly revised,  
amalgamated and redesignated as AS/NZS 3439.3:2002.

#### **COPYRIGHT**

© Standards Australia/Standards New Zealand

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.

Jointly published by Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 4898 8

## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-006, Industrial Switchgear and Controlgear to supersede AS 3439.3—1995 and AS 3132—1991.

The objective of this Standard is to provide supplementary requirements to AS/NZS 3439.1 for switchgear and controlgear assemblies intended for use in domestic (household) applications or in other places where unskilled persons have access for their use.

This Standard is Part 3 of a series which consists of the following:

AS/NZS 3439	Low-voltage switchgear and controlgear assemblies
AS/NZS 3439.1	Part 1: Type-tested and partially type-tested assemblies
AS/NZS 3439.2	Part 2: Particular requirements for busbar trunking systems (busways)
AS/NZS 3439.3	Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use—Distribution boards (this Standard)
AS 3439.4	Part 4: Particular requirements for assemblies for construction sites (ACS)
AS/NZS 3439.5	Part 5: Particular requirements for assemblies intended to be installed outdoors in public places—Cable distribution cabinets (CDCs) for power distribution in networks

The clauses of this Standard supplement, modify or replace clauses in AS/NZS 3439.1.

Where there is no corresponding clause or sub-clause in this Standard, the requirements of AS/NZS 3439.1 apply.

In view of the fact that this Standard should be read in conjunction with AS/NZS 3439.1, the numbering of its clauses and sub-clauses corresponds with the latter.

This Standard is an adoption with national modifications and has been reproduced from, IEC 60439-3:1990, *Low-voltage switchgear and controlgear assemblies—Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use—Distribution boards*, including Amendment 1:1993 and Amendment 2:2001, and has been varied as indicated to take account of Australian/New Zealand conditions.

Variations to IEC 60439-3:1990 are indicated at the appropriate places throughout this Standard. Strikethrough (**example**) identifies IEC tables, figures and passages of text which, for the purposes of this Australian/New Zealand Standard, are deleted. Where Australian/New Zealand tables, figures or passages of text are added, each is set in its proper place and identified by shading (**example**). Added figures are not themselves shaded, but are identified by a shaded border.

Annex ZZ has been added as a consolidated reference to these Australian/New Zealand variations.

This Standard differs from AS 3439.3—1995 in the following:

- (a) The requirements of this Standard have been updated to reflect the requirements of AS/NZS 3439.1:2002.
- (b) Type test requirements for empty enclosures, formerly contained in AS 3132—1991 have been added.

A reference to an International Standard identified in the Normative References Clause by strikethrough (**example**) is replaced by a reference to the Australian or Australian/New Zealand Standard(s) listed immediately thereafter and identified by shading (**example**). Where the struck-through referenced document and the referenced Australian or Australian/New Zealand Standard are identical, this is indicated in parenthesis after the title of the latter.

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

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text 'this standard' should read 'this Australian/New Zealand Standard'.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
  - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-