

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)**



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### **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.

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### **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.

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## 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.

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- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
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