

AS 3439.4—1995
IEC 439-4:1990

Australian Standard[®]

**Low-voltage switchgear and
controlgear assemblies**

**Part 4: Particular requirements for
assemblies for construction sites
(ACS)**

This Australian Standard was prepared by Committee EL/6, Industrial Switchgear and Controlgear. It was approved on behalf of the Council of Standards Australia on 11 January 1995 and published on 5 March 1995.

The following interests are represented on Committee EL/6:

Australian-British Chamber of Commerce
Australian Electrical and Electronic Manufacturers Association
Bureau of Steel Manufacturers of Australia
Electrical Contractors Association of Australia
Electricity Supply Association of Australia
Independent Electrical Switchboard Manufacturers Association
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/6 on Industrial Switchgear and Controlgear.

This Standard is the result of a consensus among representatives on the Joint Committee to produce it as an Australian Standard.

This Standard is Part 4 of the following series:

AS

3439 Low voltage switchgear and controlgear assemblies

Part 1: Type-tested and partially type-tested assemblies

Part 2: Particular requirements for busbar trunking systems (busways)

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

Part 4: Particular requirements for assemblies for construction sites (ACS)

With the exception of Appendix AA this Standard is equivalent in technical content but does not correspond in full presentation with IEC 439-4 (1990)—*Low voltage switchgear and controlgear assemblies*, Part 4: *Particular requirements for assemblies for construction sites (ACS)*.

Appendix AA sets out the variations between this Standard and IEC 439-4. For the purposes of this Standard, the IEC text is amended, supplemented or replaced as set out in Appendix AA. These changes are indicated by a marginal bar against the clause, table, figure or part thereof affected.

It shall be read in conjunction with AS 3439.1 and shall comply with all of its requirements. The numbering of its clauses and subclauses shall correspond to AS 3439.1.

The clauses of this Standard, modify or replace the corresponding clauses of AS 3439.1. Where there is no corresponding clause, the clause or sub-clause of AS 3439.1 applies.

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

As this Standard has been reproduced from an international Standard, the following applies:

- (a) The AS number is shown only on the cover and title page.
- (b) In the source text, 'this International Standard' should read 'this Australian Standard'.

The references to international Standards should be replaced by equivalent Australian Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
IEC		AS	
38	IEC standard voltages	2926	Standard voltages—Alternating (50 Hz) and direct
68	Environmental testing	1099	Basic environmental testing procedures for electrotechnology
68-2-27	Part 2: Tests—Tests Ea and guidance: Shock	1099.2.27	Test Ea—Shock
68-2-42	Part 2: Tests—Test Kc: Sulphur dioxide test for contacts and connections	1099.2Kc	Test Kc—Sulphur dioxide test for contacts and connections
76	Power transformers	2374	Power transformers
76-1	Part 1: General	2374.1	Part 1: General requirements
309	Plugs, socket-outlets and couplers for industrial purposes	3123	Approval and test specification—Plugs, socket-outlets and couplers for general industrial application

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IEC		AS	
364	Electrical installations of buildings	3000	Electrical installations—Buildings, structures and premises (known as the SAA Wiring Rules)
364-4	Part 4: Protection for safety		
364-4-41	Chapter 41: Protection against electric shock		
364-7	Part 7: Requirements for special installations or locations	3012	Electrical installations—Construction and demolition sites
364-7-704	Section 704: Construction and demolition site installations		
439	Low voltage switchgear and controlgear assemblies	3439	Low voltage switchgear and controlgear assemblies
439.1	Type-tested and partially type-tested assemblies	3439.1	Part 1: Type-tested and partially type-tested assemblies
529	Degrees of protection provided by enclosures (IP Code)	1939	Degrees of protection provided by enclosures for electrical equipment (IP Code)
742	Isolating transformers and safety isolating transformers—Requirements	3108	Approval and test specification—Particular requirements for isolating transformers and safety isolating transformers
755	General requirements for residual current operated protective devices	3190	Approval and test specification—Residual current devices (current-operated earth-leakage devices)

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