

Australian/New Zealand Standard™

**Low-voltage switchgear and controlgear
assemblies**

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



AS/NZS 3439.4:2009

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 11 September 2009 and on behalf of the Council of Standards New Zealand on 16 October 2009.
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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
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National Electrical Switchboard Manufacturers Association
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AS/NZS 3439.4:2009

Australian/New Zealand Standard™

Low-voltage switchgear and controlgear assemblies

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

Originated as AS 3439.4—1995.
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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 3439.4—1995 on publication.

The objective of this Standard is to specify requirements for type-tested assemblies for construction sites.

This Standard is identical with, and has been reproduced from IEC 60439-4, Ed. 2.0 (2004), *Low-voltage switchgear and controlgear assemblies – Part 4: Particular requirements for assemblies for construction sites (ACS)*.

This Standard is Part 4 of the following series:

AS/NZS 3439	Low-voltage switchgear and controlgear assemblies
AS/NZS 3439.1	Part 1: Type-tested and partially type-tested assemblies
AS 3439.2	Part 2: Particular requirements for busbar trunking systems (busways)
AS 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
AS/NZS 3439.4	Part 4: Particular requirements for assemblies for construction sites (ACS) (this Standard)
AS/NZS 3439.5	Part 5: Particular requirements for assemblies for power distribution in public networks

The terms ‘normative’ and ‘informative’ are used to define the application of the annex to which they apply. A normative annex is an integral part of a standard, whereas an informative annex is only for information and guidance.

The following major changes with respect to Edition 1 of IEC 60439-4 (including amendments 1 and 2) have been incorporated:

- introduction of the definition for ‘rated current of ACS’;
- replacement of classification based on the rated current of ACS by classification based on the function as assigned by the manufacturer;
- amended requirements for the protection of socket-outlets with reference to the more comprehensive requirements of IEC 60364-7-704;
- introduction of common requirements for all types of ACS.

In addition to the particular requirements in this Part 4, all requirements of AS/NZS 3439.1 apply to assemblies for construction sites (ACS) if not otherwise indicated hereinafter.

The clauses and subclauses of this Part 4, modify or replace the respective clauses and subclauses in AS/NZS 3439.1 which is a modified adoption of IEC 60349-1:1999.

In view of the fact that this Part 4 should be read in conjunction with AS/NZS 3439.1, the numbering of its clauses and subclauses correspond to the latter.

Where there is no corresponding clause or subclause in this Part 4, the clause or subclause of AS/NZS 3439.1 applies without modification.

Subclauses and figures which are additional to those in part 1 are numbered starting from 101.

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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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