

AS/NZS 3439.1:2002

AS/NZS 3439.1

Australian/New Zealand Standard™

Low-voltage switchgear and controlgear assemblies

Part 1: Type-tested and partially type-tested assemblies (IEC 60439-1:1999 MOD)

AS/NZS 3439.1:2002

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 of Australia Inc.
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 Standards may also be withdrawn.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 or Standards New Zealand web site at 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.

AS/NZS 3439.1:2002

Australian/New Zealand Standard™

Low-voltage switchgear and controlgear assemblies

Part 1: Type-tested and partially type-tested assemblies (IEC 60439-1:1999 MOD)

Originated as AS 1136—1974.
Previous edition AS 3439.1—1993.
Jointly revised and designated AS/NZS 3439.1:2002.

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 4877 5

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-006, Industrial Switchgear and Controlgear to supersede AS 3439.1—1993, *Low-voltage switchgear and controlgear assemblies*, Part 1: *Type-tested and partially type-tested assemblies*.

The objective of this Standard is to lay down the definitions and to state the service conditions, construction requirements, technical characteristics and tests for low-voltage switchgear and controlgear assemblies.

This Standard is a Part of a series:

AS/(NZS) 3439 Low-voltage switchgear and controlgear assemblies

AS/NZS 3439.1 Part 1: Type-tested and partially type-tested assemblies (this Standard)

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

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 in public places—Cable distribution cabinets (CDCs) for power distribution in networks

This Standard is an adoption with national modifications and has been reproduced from, IEC 60439-1:1999, *Low-voltage switchgear and controlgear assemblies*, Part 1: *Type-tested and partially type-tested assemblies*, and has been varied as indicated to take account of Australian/New Zealand conditions.

Variations to IEC 60439-1:1999 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. These changes are identified in Annex ZZ for easy reference.

Additional information for Australian/New Zealand conditions is contained in Annexes ZA to ZF.

Differences between this Standard and AS 3439.1—1993 are listed in Annex ZG.

Information regarding the current carrying capacity of copper busbars can be found in AS 4388—1996.

This Standard provides requirements for stationary or moveable assemblies. Such assemblies consist of fixed, removable or withdrawable parts.

A separate class of assemblies, commonly known as demountable assemblies exists. These assemblies contain parts which can be removed but which may not comply with the minimum clearance requirements of removable or withdrawable parts as specified in this Standard.

Safety requirements for these assemblies are not necessarily covered in this Standard. Requirements for these assemblies are ‘under consideration’. It is the responsibility of the manufacturer to supply adequate information for the safe operation of these assemblies.

All type test approvals gained in accordance with AS 1136.1—1988 and AS 3439.1—1993 still remain valid.

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.

The terms ‘normative’ and ‘informative’ have been used in this Standard 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.

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
-