AS/NZS 3947.1:1998 IEC 60947-1:1996

Australian/New Zealand Standard®

# Low-voltage switchgear and controlgear

Part 1: General rules

### AS/NZS 3947.1:1998

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL/6, Industrial Switchgear and Controlgear. It was approved on behalf of the Council of Standards Australia on 19 December 1997 and on behalf of the Council of Standards New Zealand on 20 January 1998. It was published on 5 April 1998.

The following interests are represented on Committee EL/6:

Australasian Railway Association
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
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#### **PREFACE**

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/6, Industrial Switchgear and Controlgear, to supersede AS 3947.1—1993.

The Standard is identical with and reproduced from IEC 947-1:1996, Low-voltage switchgear and controlgear, Part 1: General rules.

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.

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For the purpose of this Standard, the IEC text should be modified as follows:

- (a) *Terminology* The words 'Australian/New Zealand Standard' should replace the words 'International Standard' wherever they appear.
- (b) Page numbers Where any references to page numbers appear within the text, these relate to page numbering in the International Standard and are to be disregarded.
- (c) Decimal marker A full point substitutes for a comma when referring to a decimal marker.
- (d) References The references to International Standards should be replaced by the references to the following Australian or Australian/New Zealand Standards:

Reference to International Standard

Australian or Australian/New Zealand Standard

	AS			
International Electrotechnical	1852 International Electrotechnical			
Vocabulary (IEV)	Vocabulary			
Chapter 151: Electrical and magnetic	1852.151 Part 151: Electric and magnetic			
devices	devices			
Chapter 441: Switchgear, controlgear	1852.441 Part 441: Switchgear, controlgear			
and fuses	and fuses			
Chapter 604: Generation, transmission	1852.604 Part 604: Generation, transmission			
and distribution of electricity—	and distribution of electricity—			
Operation	Operation			
Chapter 826: Electrical installations of	1852.826 Part 826: Electrical installations of			
buildings	buildings			
High-voltage test techniques	1931 High-voltage test techniques			
• •				
E .	1099 Environmental testing			
*	1099.2.3 Part 2: Tests—Test Ca: Damp heat,			
steady state	steady state			
Insulation co-ordination	1824 Insulation co-ordination			
Part 1: Definitions, principles and	1824.1 Part 1: Definitions, principles and			
rules	rules			
Coding of indicating devices and				
actuators by corours and supprementary				
	Vocabulary (IEV) Chapter 151: Electrical and magnetic devices Chapter 441: Switchgear, controlgear and fuses Chapter 604: Generation, transmission and distribution of electricity— Operation Chapter 826: Electrical installations of buildings High-voltage test techniques Environmental testing Part 2: Tests—Test Ca: Damp heat, steady state Insulation co-ordination Part 1: Definitions, principles and			

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		AS/NZS 4695	Fire hazard testing of electrotechnical
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