

Australian/New Zealand Standard™

Low-voltage switchgear and controlgear

**Part 3: Switches, disconnectors,
switch-disconnectors and fuse-
combination units**



AS/NZS IEC 60947.3:2015

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 27 May 2015 and on behalf of the Council of Standards New Zealand on 4 August 2015. This Standard was published on 23 September 2015.

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Australian Industry Group
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This Standard was issued in draft form for comment as DR AS/NZS IEC 60947.3:2015.

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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/NZS 3947.3:2001.

The objective of this Standard is to state—

- (a) the characteristics of the equipment;
- (b) the conditions with which the equipment shall comply with reference to—
 - (i) operation and behaviour in normal service;
 - (ii) operation and behaviour in case of specified abnormal conditions (e.g. short circuit);
 - (iii) dielectric properties;
- (c) the tests for confirming that these conditions have been met and the methods to be adopted for these tests; and
- (d) the information to be marked on the equipment or made available by the manufacturer (e.g. in the catalogue).

This Standard is identical with, and has been reproduced, from IEC 60947-3, Ed. 3.1 (2012), *Low-voltage switchgear and controlgear, Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units*. A vertical line in the margin shows where IEC 60947-3, Ed. 3.0 (2008), is modified by its Amendment 1 (2012). Additions and deletions are displayed in red, with deletions being struck through.

As this Standard is reproduced from an International Standard, the following applies:

In the source text ‘this part of IEC 60947’ should read ‘this Australian/New Zealand Standard’.

A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
IEC		AS	
60269	Low-voltage fuses (series)	60269	Low-voltage fuses (series)
60269-1	Part 1: General requirements Amendment 1 (2005)	60269.1	Part 1: General requirements
		AS/NZS IEC	
60947	Low-voltage switchgear and controlgear	60947	Low-voltage switchgear and controlgear
60947-4-1	Part 4-1: Contactors and motor- starters—Electromechanical contactors and motor-starters Amendment 1 (2002) Amendment 2 (2005)	60947.4.1	Part 4.1: Contactors and motor- starters—Electromechanical contactors and motor-starters
60947-5-1	Part 5-1: Control circuit devices and switching elements— Electromechanical control circuit devices	60947.5.1	Part 5.1: Control circuit devices and switching elements— Electromechanical control circuit devices

IEC		AS/NZS IEC	
61000	Electromagnetic compatibility (EMC)	61000	Electromagnetic compatibility (EMC)
61000-4-2	Part 4-2: Testing and measurement techniques—Electrostatic discharge immunity test Amendment 1 (1998) Amendment 2 (2000)	61000.4.2	Part 4.2: Testing and measurement techniques—Electrostatic discharge immunity test
61000-4-3	Part 4-3: Testing and measurement techniques—Radiated, radio-frequency, electromagnetic field immunity test	61000.4.3	Part 4.3: Testing and measurement techniques—Radiated, radio-frequency, electromagnetic field immunity test
61000-4-4	Part 4-4: Testing and measurement techniques—Electrical fast transient/burst immunity test	61000.4.4	Part 4.4: Testing and measurement techniques—Electrical fast transient/burst immunity test
61000-4-5	Part 4-5: Testing and measurement techniques—Surge immunity test	61000.4.5	Part 4.5: Testing and measurement techniques—Surge immunity test
61000-4-6	Part 4-6: Testing and measurement techniques—Immunity to conducted disturbances, induced by radio-frequency fields Amendment 1 (2004) Amendment 2 (2006)	61000.4.6	Part 4.6: Testing and measurement techniques—Immunity to conducted disturbances, induced by radio-frequency fields
CISPR		AS/NZS CISPR	
11	Industrial, scientific and medical (ISM) radio-frequency equipment—Electromagnetic Radio-frequency disturbance characteristics—Limits and methods of measurement Amendment 1 (2004) Amendment 2 (2006)	11	Industrial, scientific and medical (ISM) radio-frequency equipment—Electromagnetic Radio-frequency disturbance characteristics—Limits and methods of measurement
22	Information technology equipment—Radio disturbance characteristics—Limits and methods of measurement Amendment 1 (2005) Amendment 2 (2006)	22	Information technology equipment—Radio disturbance characteristics—Limits and methods of measurement

Only normative references that have been adopted as Australian or Australian/New Zealand Standards have been listed.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annexes 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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