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AS/NZS IEC 60947.3:2015
IEC 60947-3, Ed. 3.1 (2012)

AS/NZS IEC 60947.3:2015

Australian/New Zealand Standard™

# Low-voltage switchgear and controlgear

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

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**AS/NZS IEC 60947.3:2015**

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The following are represented on Committee EL-006:

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

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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:

| *Reference to International Standard* | | *Australian/New Zealand Standard* | |
|---|---|---|---|
| IEC | | AS | |
| 60269 | Low-voltage fuses (series) | 60269 | Low-voltage fuses (series) |
| 60269-1 | Part 1: General requirements<br>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<br>Amendment 1 (2002)<br>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 |

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| 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<br>Amendment 1 (1998)<br>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<br>Amendment 1 (2004)<br>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<br>Amendment 1 (2004)<br>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<br>Amendment 1 (2005)<br>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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