

AS/NZS IEC 60947.6.1:2015
IEC 60947-6-1, Ed. 2.1 (2013)

AS/NZS IEC 60947.6.1:2015

Australian/New Zealand Standard™

Low-voltage switchgear and controlgear

**Part 6.1: Multiple function equipment—
Transfer switching equipment**



AS/NZS IEC 60947.6.1:2015

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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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-006, Industrial Switchgear and Controlgear, to supersede AS/NZS 3947.6.1:2001.

The objective of this Standard is to state—

- (a) the characteristics of the equipment;
- (b) the conditions of the equipment with respect to—
 - (i) operation for which the equipment is intended;
 - (ii) operation and behaviour in case of specified abnormal conditions, for example, short-circuit;
 - (iii) dielectric properties;
- (c) the tests intended to confirm that these conditions have been met and the methods for performing these tests; and
- (d) the data to be marked on the equipment and provided by the manufacturer.

This Standard is identical with, and has been reproduced from, IEC 60947-6-1, Ed. 2.1 (2013), *Low-voltage switchgear and controlgear*, Part 6.1: *Multiple function equipment—Transfer switching equipment*. A vertical line in the margin shows where IEC 60947-6-1, Ed. 2.0 (2005), is modified by Amendment 1 (2013). Additions and deletions are displayed in red, with deletions being struck through.

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

- (A) In the source text ‘this part of IEC 60947’ should read ‘this Australian/New Zealand Standard’.
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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/NZS	
60695	Fire hazard testing	60695	Fire hazard testing
60695-11-10	Part 11-10: Test flames—50 W horizontal and vertical flame test methods Amendment 1 (2003)	60695.11.10	Part 11.10: Test flames—50 W horizontal and vertical flame test methods
		AS/NZS IEC	
60947	Low-voltage switchgear and controlgear	60947	Low-voltage switchgear and controlgear
60947-4-2	Part 4-2: Contactors and motor-starters—AC semiconductor motor controllers and starters Amendment 1 (2001)	60947.4.2	Part 4.2: Contactors and motor-starters—AC semiconductor motor controllers and starters
60947-6-2	Part 6-2: Multiple function equipment—Control and protective switching devices (or equipment) (CPS) Amendment 1:2007	60947.6.2	Part 6.2: Multiple function equipment—Control and protective switching devices (or equipment) (CPS)

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 Amendment 1:2002	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 Amendment 1:2000 Amendment 2:2001	61000.4.4	Part 4.4: Testing and measurement techniques—Electrical fast transient/burst immunity test
		AS/NZS	
61000-4-5	Part 4-5: Testing and measurement techniques—Surge immunity test Amendment 1 (2000)	61000.4.5	Part 4.5: Testing and measurement techniques—Surge immunity test
		AS/NZS IEC	
61000-4-6	Part 4-6: Testing and measurement techniques—Immunity to conducted disturbances, induced by radio-frequency fields Amendment 1 (2004)	61000.4.6	Part 4.6: Testing and measurement techniques—Immunity to conducted disturbances, induced by radio-frequency fields
		AS/NZS	
61000-4-13	Part 4-13: Testing and measurement techniques—Harmonics and interharmonics including mains signalling at a.c. power port, low-frequency immunity tests Amendment 1:2009	61000.4.13	Part 4.13: Testing and measurement techniques—Harmonics and interharmonics including mains signalling at a.c. power port, low-frequency immunity tests

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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