

AS/NZS IEC 60947.2:2015
IEC 60947-2, Ed. 4.2 (2013)

AS/NZS IEC 60947.2:2015

Australian/New Zealand Standard™

Low-voltage switchgear and controlgear
Part 2: Circuit-breakers



AS/NZS IEC 60947.2:2015

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 26 May 2015 and on behalf of the Council of Standards New Zealand on 29 May 2015. This Standard was published on 29 June 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 60947.2—2005.

The objective of this Standard is to state—

- (a) the characteristics of circuit-breakers;
- (b) the conditions with which circuit-breakers are required to comply with reference to—
 - (i) operation and behaviour in normal service;
 - (ii) operation and behaviour in case of overload and operation and behaviour in case of short-circuit, including co-ordination in service (selectivity and back-up protection);
 - (iii) dielectric properties;
- (c) tests intended for confirming that these conditions have been met and the methods to be adopted for these tests; and
- (d) information to be marked on or given with the apparatus.

This Standard is identical with, and has been reproduced from, IEC 60947-2, Ed. 4.2 (2013), *Low-voltage switchgear and controlgear, Part 2: Circuit-breakers*. A vertical line in the margin shows where IEC 60947-2, Ed. 4.0 (2006), has been modified by its Amendments 1 (2009) and 2 (2013).

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<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
IEC		AS	
60068	Environmental testing	60068	Environmental testing
60068-2-14	Part 2-14: Tests. Test N: Change of temperature Amendment 1 (1986)	60068-2.14	Part 2.14: Tests. Test N: Change of temperature
60068-2-30	Part 2-30: Tests—Test Db: Damp heat, cyclic (12 h + 12 h cycle)	60068.2.30	Part 2.30: Tests—Test Db: Damp heat, cyclic (12 h + 12 h cycle)
		AS/NZS	
60695	Fire hazard testing	60695	Fire hazard testing
60695-2-10	Part 2-10: Glowing/hot-wire based test methods—Glow-wire apparatus and common test procedure	60695.2.10	Part 2.10: Glowing/hot-wire based test methods—Glow-wire apparatus and common test procedure
60695-2-11	Part 2-11: Glowing/hot-wire based test methods—Glow-wire flammability test method for end-products	60695.2.11	Part 2.11: Glowing/hot-wire based test methods—Glow-wire flammability test method for end-products
60695-2-12	Part 2-12: Glowing/hot-wire based test methods—Glow-wire flammability test method for materials	60695.2.12	Part 2.12: Glowing/hot-wire based test methods—Glow-wire flammability test method for materials
60695-2-13	Part 2-13: Glowing/hot-wire based test methods—Glow-wire ignitability test method for materials	60695.2.13	Part 2.13: Glowing/hot-wire based test methods—Glow-wire ignitability test method for materials

IEC		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
61000	Electromagnetic compatibility (EMC)	AS/NZS 61000	Electromagnetic compatibility (EMC)
61000-3-2	Part 3-2: Limits—Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	61000.3.2	Part 3.2: Limits—Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
61000-3-3	Part 3-3: Limits—Section 3: Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated current—16 A per phase and not subject to conditional connection Amendment 1 (2001) Amendment 2 (2005)	61000.3.3	Part 3.3: Limits—Section 3: Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated current—16 A per phase and not subject to conditional connection
61000-4-2	Part 4-2: Testing and measurement techniques—Electrostatic discharge immunity test Amendment 1 (1998) Amendment 2 (2000)	AS/NZS IEC 61000.4.2	Part 4.2: Testing and measurement techniques—Electrostatic discharge immunity test
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