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

Australian/New Zealand Standard™

Low-voltage switchgear and controlgear

Part 2: Circuit-breakers

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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).

As this Standard is reproduced from an International 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	
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

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IEC		AS/NZS IEC	
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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
		AS/NZS	
61000	Electromagnetic compatibility (EMC)	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)
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