Australian/New Zealand Standard™

Low-voltage switchgear and controlgear

Part 1: General rules





AS/NZS IEC 60947.1:2015

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This Standard was issued in draft form for comment as DR AS/NZS IEC 60947.1:2015.

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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 60947.1—2004.

The objective of this Standard is to state the general rules and common safety requirements for low voltage switchgear and controlgear.

This Standard is identical with, and has been reproduced from, IEC 60947-1, Ed. 5.2 (2014), Low-voltage switchgear and controlgear, Part 1: General rules. A vertical line in the margin shows where IEC 60947-1, Ed. 5.0 (2007), is modified by its Amendments 1 (2010) and 2 (2014). Additions and deletions are displayed in red, with deletions being struck through.

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	
60068-1	Part 1: General and guidance Amendment 1 (1992)	60068.1	Part 1: General and guidance	
60068-2-1	Part 2-1: Tests—Tests A: Cold	60068.2.1	Part 2.1: Tests—Tests A: Cold	
60068-2-27	Part 2-27: Tests—Test Ea and guidance: Shock	60068.2.27	Part 2.27: Tests—Test Ea and guidance: Shock	
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)	
60068-2-52	Part 2-52: Tests: Test Kb: Salt mist, cyclic (sodium chloride solution)	60068.2.52	Part 2.52: Tests: Test Kb: Salt mist, cyclic (sodium chloride solution)	
60068-2-78	Part 2-78: Tests—Test Cab: Damp heat, steady state	60068.2.78	Part 2.78: Tests—Test Cab: Damp heat, steady state	
60269	Low-voltage fuses	60269	Low-voltage fuses	
60269-1	Part 1: General requirements Amendment 1 (2005)	60269.1	Part 1: General requirements	
60269-2	Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) Amendment 1 (1995) Amendment 2 (2001)	60269.2	Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application)	
		AS/NZS IEC		
60947	Low-voltage switchgear and controlgear	60947	Low-voltage switchgear and controlgear	
60947-5-1	Part 5-1: Control circuit devices and switching elements— Electromechanical control circuit devices Amendment 1 (2009)	60947.5.1	Part 5.1: Control circuit devices and switching elements— Electromechanical control circuit devices	
60947-8	Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines Amendment 1 (2006)	60947.8	Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines	

IEC 60999	Connecting devices—Electrical copper conductors—Safety	AS/NZS IEC 60999	Connecting devices—Electrical copper conductors—Safety
60999-1	requirements for screw-type and screwless-type clamping units Part 1: General requirements and particular requirements for clamping units for conductors from	60999.1	requirements for screw-type and screwless-type clamping units Part 1: General requirements and particular requirements for clamping units for conductors from
60999-2	0,2 mm ² up to 35 mm ² (included) Part 2: Particular requirements for clamping units for conductors above 35 mm ² up to 300 mm ² (included)	60999.2	0.2 mm ² up to 35 mm ² (included) Part 2: Particular requirements for clamping units for conductors above 35 mm ² up to 300 mm ² (included)
		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)
61000-3-3	Part 3-3: Limits—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	61000.3.3	Part 3.3: Limits—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
61000-4-11	Part 4-11: Testing and measurement techniques—Voltage dips, short interruptions and voltage variations immunity tests	61000.4.11	Part 4.11: Testing and measurement techniques—Voltage dips, short interruptions and voltage variations immunity tests
IEC		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	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
61000-6-2	Part 6-2: Generic standards— Immunity for industrial environments	61000.6.2	Part 6.2: Generic standards— Immunity for industrial environments
61131 61131-2	Programmable controllers Part 2: Equipment requirements and tests	AS IEC 61131 61131.2	Programmable controllers Part 2: Equipment requirements and tests
61508	Functional safety of electrical/electronic/programmable electronic safety-related systems (series)	AS 61508	Functional safety of electrical/electronic/programmable electronic safety-related systems (series)



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