

AS/NZS IEC 60947.8:2015
IEC 60947-8, Ed. 1.2 (2011)

AS/NZS IEC 60947.8:2015

Australian/New Zealand Standard™

Low-voltage switchgear and controlgear

Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines



AS/NZS IEC 60947.8:2015

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 29 May 2015. This Standard was published on 29 June 2015.

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This Standard was issued in draft form for comment as DR AS/NZS IEC 60947.8:2015.

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PREFACE

This Standard was prepared by the Standards Australia Committee EL-006, Industrial Switchgear and Controlgear.

The objective of this Standard is to specify rules for control units, which perform the switching functions in response to the thermal detectors incorporated in rotating electrical machines according to IEC 60034-11, and the industrial application.

This Standard is identical with, and has been reproduced from, IEC 60947-8, Ed. 1.2 (2011), *Low-voltage switchgear and controlgear, Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines*. A vertical line in the margins shows where IEC 60947-8, Ed. 1.0 (2003) has been modified by Amendments 1 (2006) and 2 (2011).

The provisions of the general rules dealt with in IEC 60947-1 are applicable to this Standard, where specifically called for. Clauses and subclauses, tables, figures and annexes of the general rules thus applicable are identified by reference to IEC 60947-1 (e.g. 1.2.3 of IEC 60947-1, Table 4 of IEC 60947-1 or Annex A of IEC 60947-1, etc.).

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- (a) In the source text ‘this part of IEC 60947’ should read ‘this Australian/New Zealand Standard’.
- (b) 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:

<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
IEC		AS	
60034	Rotating electrical machines	60034	Rotating electrical machines
60034-11	Part 11: Thermal protection	60034.11	Part 11: Thermal protection
60068	Environmental testing	60068	Environmental testing
60068-2-27	Part 2-27: Tests—Test Ea and guidance: Shock	60068.2.27	Part 2.27: Tests—Test Ea and guidance: Shock
IEC		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	60947.5.1	Part 5.1: Control circuit devices and switching elements—Electromechanical control circuit devices
61000	Electromagnetic compatibility (EMC)	61000	Electromagnetic compatibility (EMC)
61000-4-2	Part 4-2: Testing and measurement techniques—Electrostatic discharge immunity test	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 1:2007 Amendment 2: 2010	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
IEC 61000-4-5	Part 4-5: Testing and measurement techniques—Surge immunity test Corrigendum 1 (2009)	AS/NZS 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	AS/NZS IEC 61000.4.6	Part 4.6: Testing and measurement techniques—Immunity to conducted disturbances, induced by radio-frequency fields
61000-4-8	Part 4-8: Testing and measurement techniques—Power frequency magnetic field immunity test	AS/NZS 61000.4.8	Part 4.8: Testing and measurement techniques—Power frequency magnetic field immunity test
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
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
CISPR 11	Industrial, scientific and medical equipment—Radio-frequency disturbance characteristics—Limits and methods of measurement Amendment 1: 2010	AS/NZS CISPR 11	Industrial, scientific and medical equipment—Radio-frequency disturbance characteristics—Limits and methods of measurement
22	Information technology equipment—Radio disturbance characteristics—Limits and methods of measurement	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 term ‘normative’ has been used in this Standard to define the application of the annexes to which it applies. A ‘normative’ annex is an integral part of a Standard.

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