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

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.

The following are represented on Committee EL-006:

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

Australian/New Zealand Standard[™]

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First published as 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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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		
Rotating electrical machines Part 11: Thermal protection	AS 60034 60034.11	Rotating electrical machines Part 11: Thermal protection		
Environmental testing Part 2-27: Tests—Test Ea and guidance: Shock	60068 60068.2.27	Environmental testing Part 2.27: Tests—Test Ea and guidance: Shock		
	AS/NZS IEC			
Low-voltage switchgear and controlgear	60947	Low-voltage switchgear and controlgear		
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		
Electromagnetic compatibility (EMC)	61000	Electromagnetic compatibility (EMC)		
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		
	International Standard Rotating electrical machines Part 11: Thermal protection Environmental testing Part 2-27: Tests—Test Ea and guidance: Shock Low-voltage switchgear and controlgear Part 5-1: Control circuit devices and switching elements— Electromechanical control circuit devices Electromagnetic compatibility (EMC) Part 4-2: Testing and measurement techniques—Electrostatic discharge immunity test	International StandardAustralian/NeASASRotating electrical machines60034Part 11: Thermal protection60034.11Environmental testing60068Part 2-27: Tests—Test Ea and guidance: Shock60068.2.27Low-voltage switchgear and controlgear60947Part 5-1: Control circuit devices60947.5.1and switching elements— Electromechanical control circuit devices61000Electromagnetic compatibility (EMC)61000Part 4-2: Testing and measurement techniques—Electrostatic discharge immunity test61000.4.2		

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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		AS/NZS	
61000-4-5	Part 4-5: Testing and measurement techniques—Surge immunity test Corrigendum 1 (2009)	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	61000.4.6	Part 4.6: Testing and measurement techniques—Immunity to conducted disturbances, induced by radio-frequency fields
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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		AS/NZS CISI	PR
11	Industrial, scientific and medical equipment—Radio-frequency disturbance characteristics—Limits and methods of measurement Amendment 1: 2010	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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