

AS/NZS IEC 60947.4.3:2015  
IEC 60947-4-3, Ed. 2.0 (2014)

AS/NZS IEC 60947.4.3:2015

Australian/New Zealand Standard™

**Low-voltage switchgear and controlgear**

**Part 4.3: Contactors and motor-  
starters—AC semiconductor controllers  
and contactors for non-motor loads**



### **AS/NZS IEC 60947.4.3:2015**

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 4 August 2015.  
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Originated as AS C63—1965.  
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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/NZS 3947.4.3:2000.

The objective of this Standard is to state—

- (a) the characteristics of semiconductor controllers and contactors and associated equipment;
- (b) the conditions with which semiconductor controllers and contactors should comply with reference to—
  - (i) their operation and behaviour;
  - (ii) their dielectric properties;
  - (iii) the degrees of protection provided by their enclosures, where applicable;
  - (iv) their construction;
- (c) the tests intended for confirming that these conditions have been met, and the methods to be adopted for these tests; and
- (d) the information to be given with the equipment or in the manufacturer's literature.

This Standard is identical with, and has been reproduced from, IEC 60947-4-3, Ed. 2.0 (2014), *Low-voltage switchgear and controlgear*, Part 4.3: *Contactors and motor-starters—AC semiconductor controllers and contactors for non-motor loads*. This edition cancels and replaces the first edition published in 1999, Amendment 1:2006 and Amendment 2:2011.

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- (b) A full point substitutes for a comma when referring to a decimal marker.

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<i>Reference to International Standard</i>			<i>Australian/New Zealand Standard</i>		
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61000-4-5	Part 4-5: Testing and measurement techniques—Surge immunity test		61000-4-5	Part 4.5: Testing and measurement techniques—Surge immunity test	
CISPR			AS/NZS CISPR		
11	Industrial, scientific and medical equipment—Radio-frequency disturbance characteristics—Limits and methods of measurement		11	Industrial, scientific and medical equipment—Radio-frequency disturbance characteristics—Limits and methods of measurement	
	Amendment 1 (2010)				

Only normative references that have been adopted as Australian or Australian/New Zealand Standards have been listed.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annexes to which they apply. A ‘normative’ annex is an integral part of a Standard, whereas an ‘informative’ annex is only for information and guidance.

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