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Australian/New Zealand Standard™

Low-voltage switchgear and controlgear

**Part 4.2: Contactors and motor-
starters—AC semiconductor motor
controllers and starters**



AS/NZS IEC 60947.4.2:2015

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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Australian/New Zealand Standard™

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Part 4.2: Contactors and motor-starters—AC semiconductor motor controllers and starters

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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 60947.4.2—2004.

The objective of this Standard is to state—

- (a) the characteristics of a.c. semiconductor motor controllers and starters and associated equipment;
- (b) the conditions with which a.c. semiconductor motor controllers and starters 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.

NOTE: For the purposes of this Standard, the term ‘controller’ may be used instead of ‘a.c. semiconductor motor controller’.

This Standard is identical with, and has been reproduced from, IEC 60947-4-2, Ed. 3.0 (2011), *Low-voltage switchgear and controlgear*, Part 4.2: *Contactors and motor-starters—AC semiconductor motor controllers and starters* and its Corrigendum 1 (2012), which has been added at the end of the source text. This standard shall be read in conjunction with IEC 60947-1:2007, *Low-voltage switchgear and controlgear—Part 1: General rules*.

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:

<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
CISPR		AS/NZS CISPR	
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

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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