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

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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

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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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.

As this Standard is reproduced from an International Standard, the following applies:

(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:

Reference to International Standard		*Australian/New Zealand Standard*	
IEC		AS/NZS	
61000	Electromagnetic compatibility (EMC)	61000	Electromagnetic compatibility (EMC)
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 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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