

Australian/New Zealand Standard™

Low-voltage switchgear and controlgear

**Part 5.2: Control circuit devices and
switching elements—Proximity switches**



AS/NZS IEC 60947.5.2:2015

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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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-006, Industrial Switchgear and Controlgear, to supersede AS 60947.5.2—2004.

The objective of this Standard is to state for proximity switches—

- (a) definitions;
- (b) classification;
- (c) characteristics;
- (d) product information;
- (e) normal service, mounting and transport conditions;
- (f) constructional and performance requirements;
- (g) tests to verify rated characteristics.

This Standard is identical with, and has been reproduced from, IEC 60947-5-2, Ed. 3.1 (2012), *Low-voltage switchgear and controlgear, Part 5.2: Control circuit devices and switching elements—Proximity switches*. A vertical line in the margin shows where IEC 60947-5-2, Ed. 3.0 (2007) has been modified its amendment 1 (2012). Additions and deletions are displayed in red, with deletions being struck through.

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- (i) In the source text ‘this part of IEC 60947’ should read ‘this Australian/New Zealand Standard’.
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<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
IEC		AS/NZS	
61000	Electromagnetic compatibility (EMC)	61000	Electromagnetic compatibility (EMC)
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 (IEC 61000-4-11, Ed.2.0(2004) MOD)
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 CISPR	
11	Industrial, scientific and medical equipment—Radio-frequency disturbance characteristics—Limits and methods of measurement Amendment 1:2010	11	Industrial, scientific and medical (ISM) radio-frequency equipment—Electromagnetic Radio-frequency disturbance characteristics—Limits and methods of measurement

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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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