

Australian/New Zealand Standard™

Low-voltage switchgear and controlgear

**Part 5.4: Control circuit devices and
switching elements—Method of
assessing the performance of low-
energy contacts—Special tests**



AS/NZS IEC 60947.5.4:2015

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 4 June 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.

The objective of this Standard is to propose a method of assessing the performances of low energy contacts giving—

- (a) useful definitions;
- (b) general principles of test methods which are to monitor and record the behaviour of contacts at each operation;
- (c) functional bases for the definition of general testing equipment;
- (d) preferred test values;
- (e) particular conditions for testing contacts intended for specific applications (such as switching of PC inputs);
- (f) information to be given in the test report; and
- (g) interpretation and presentation of the test results.

This Standard is identical with, and has been reproduced from, IEC 60947-5-4, Ed. 2.0 (2002), *Low-voltage switchgear and controlgear, Part 5-4: Control circuit devices and switching elements—Method of assessing the performance of low-energy contacts—Special tests*.

The principle difference between this and the previous edition, is that this is a joint Australian/New Zealand Standard.

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

- (i) In the source text ‘this part of IEC 60947’ should read ‘this Australian/New Zealand Standard’.
- (ii) 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>	
IEC		AS	
60068	Environmental testing	60068	Environmental testing
60068-1	Part 1: General and guidance Amendment 1 (1992)	60068.1	Part 1: General and guidance Amendment 1 (1992)
60068-2	Part 2: Tests (series)	60068.2	Part 2: Tests (series)
		AS/NZS IEC	
60947	Low-voltage switchgear and controlgear	60947	Low-voltage switchgear and controlgear
60947-1	Part 1: General rules Amendment 1 (2000) Amendment 2 (2001)	60947.1	Part 1: General rules
60947-5-1	Part 5-1: Control circuit devices and switching elements— Electromechanical control circuit devices Amendment 1:1991 Amendment 2:1999	60947.5.1	Part 5.1: Control circuit devices and switching elements— Electromechanical control circuit devices

IEC		AS IEC	
61131	Programmable controllers	61131	Programmable controllers
61131-2	Part 2: Equipment requirements and tests	61131.2	Part 2: Equipment requirements and tests

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 annex to which it applies. A 'normative' annex is an integral part of a Standard.

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