

AS 3947.5.2—1995

IEC 947-5-2:1992

IEC 947-5-2:1992/Amd.1

Australian Standard[®]

**Low-voltage switchgear and
controlgear**

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

This Australian Standard was prepared by Committee EL/6, Industrial Switchgear and Controlgear. It was approved on behalf of the Council of Standards Australia on 11 July 1995 and published on 5 November 1995.

The following interests are represented on Committee EL/6:

Australian British Chamber of Commerce
Australian Electrical and Electronic Manufacturers Association
Bureau of Steel Manufacturers of Australia
Electricity Supply Association of Australia
Independent Electrical Switchboard Manufacturers Association
Institution of Engineers, Australia
Ministry of Commerce, New Zealand
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/6 on Industrial Switchgear and Controlgear.

This Standard is the result of a consensus among representatives on the Joint Committee to produce it as an Australian Standard.

This Standard is Part 5 of a series which when complete will consist of the following:

AS

3947 Low voltage switchgear and controlgear

Part 1: General rules

Part 2: Circuit breakers

Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units

Part 5: Control circuit devices and switching elements

Part 6: Multiple function equipment

Part 7: Ancillary equipment

This Standard is identical with and has been reproduced from IEC 947-5-2:1992 *Low-voltage switchgear and controlgear, Part 5: Control circuit devices and switching elements, Section 2: Proximity switches* and Amendment 1(1994).

The text affected by Amendment 1 is marked with double marginal bars.

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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- (a) The AS number is shown only on the cover and title page, while the international Standard number appears only on the cover.
- (b) In the source text, 'this International Standard' should read 'this Australian Standard'.
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The reference to international Standards should be replaced by equivalent Australian Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
IEC		AS	
50	International Electrotechnical Vocabulary (IEV)	1852	International Electrotechnical Vocabulary
50 (441)	Chapter 441: Switchgear, controlgear and fuses	1852.441	Part 441: Switchgear, controlgear and fuses
68	Basic environmental testing procedures	1099	Basic environmental testing procedures for electrotechnology
68-2-6	Part 2: Tests—Test Fc and guidance: Vibration (sinusoidal)	1099.2.6	Test Fc—Vibration (sinusoidal)
68-2-14	Part 2: Tests—Test N: Change of temperature	—	
68-2-27	Part 2: Tests—Test Ea and guidance: Shock	1099.2.27	Test Ea—Shock
68-2-30	Part 2: Test—Test Db and guidance: Damp heat, cyclic (12 + 12 hour cycle)	—	

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255-5	Part 5: Insulation tests for electrical relays		
364	Electrical installation of buildings	3000	Electrical installations—Buildings, structures and premises (known as the SAA Wiring Rules)
446	Identification of conductors by colours or numerals	—	
536	Classification of electrical and electronic equipment with regard to protection against electric shock	—	
801	Electromagnetic compatibility for industrial-process measurement and control equipment		
801-2	Part 2: Electrostatic discharge requirements	—	
801-3	Part 3: Radiated electromagnetic field requirements	—	
801-4	Part 4: Electrical fast transient/burst requirements	—	
947	Low-voltage switchgear and controlgear	3947	Low voltage switchgear and controlgear
947-1	Part 1: General rules	3947.1	Part 1: General rules
947-5-1	Part 5: Control circuit devices and switching elements Section One—Electromechanical control circuit devices	3947.5.1	Part 5.1: Control circuit devices and switching elements— Electromechanical control circuit devices
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