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# Australian/New Zealand Standard™

## Low-voltage switchgear and controlgear

Part 6.1: Multiple function equipment— Automatic transfer switching equipment





#### AS/NZS 3947.6.1:2001

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 2 February 2001 and on behalf of the Council of Standards New Zealand on 27 April 2001. It was published on 5 May 2001.

The following interests are represented on Committee EL-006:

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This Standard was issued in draft form for comment as DR 00288.

# Australian/New Zealand Standard<sup>™</sup>

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## Part 6.1: Multiple function equipment— Automatic transfer switching equipment

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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 3947.6.1—1996.

The objective of this Standard is to provide characteristics of the equipment, conditions with which the equipment must comply, tests intended to confirm these conditions have been met and data to be marked on the equipment and provided by the manufacturer.

This Standard is Part 6.1 of a series which, when complete, will consist of the following:

AS(/NZS) 3947 Low-voltage switchgear and controlgear

AS/NZS 3947.1	Part 1:	General rules
AS 3947.2	Part 2:	Circuit-breakers
AS/NZS 3947.3	Part 3:	Switches, disconnectors, switch-disconnectors and fuse- combination units
AS/NZS 3947.3 Supp1	Part 3:	Switches, disconnectors, switch-disconnectors and fuse- combination units Supplement 1: Fuse-switch-disconnectors and switch- disconnectors for use with low-voltage aerial bundled cables
AS/NZS 3947.4.1	Part 4.1:	Contactors and motor-starters–Electromechanical contactors and motor-starters
AS/NZS 3947.4.2	Part 4.2:	Contactors and motor-starters–A.C. semiconductor motor controllers and starters
AS/NZS 3947.4.3	Part 4.3:	Contactors and motor-starters–A.C. semiconductor controllers and contactors for non-motor loads
AS/NZS 3947.5.1	Part 5.1:	Control circuit devices and switching elements– Electromechanical control circuit devices
AS/NZS 3947.5.2	Part 5.2:	Control circuit devices and switching elements–Proximity switches
AS/NZS 3947.5.3	Part 5.3:	Control circuit devices and switching elements–Requirements for proximity devices with defined behaviour under fault conditions
AS/NZS 3947.5.4	Part 5.4:	Control circuit devices and switching elements–Methods of assessing the performance of low-energy contacts–Special tests
AS/NZS 3947.5.5	Part 5.5:	Control circuit devices and switching elements–Electrical emergency stop devices with mechanical latching function
AS/NZS 3947.5.6	Part 5.6:	Control circuit devices and switching elements–D.C. interface for proximity sensors and switching amplifiers (NAMUR)
AS/NZS 3947.6.1	Part 6.1:	Multiple function equipment–Automatic transfer switching equipment (this Standard)
AS/NZS 3947.6.2	Part 6.2:	Multiple function equipment–Control and protective switching devices (or equipment) (CPS)
AS/NZS 3947.7.1	Part 7.1:	Ancillary equipment-Terminal blocks for copper conductors
AS 3947.7.2	Part 7.2:	Ancillary equipment–Protective conductor terminal blocks for copper conductors
AS/NZS 3947.7.3	Part 7.3:	Ancillary equipment–Safety requirements for terminal blocks for the reception of cartridge fuse-links

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This Standard is identical with and has been reproduced from IEC 60947-6-1:1989 + Corrigendum: 1991 + A1:1994 + A2:1997, Low-voltage switchgear and controlgear—Part 6-1: Multiple function equipment—Automatic transfer switching equipment.

The provisions of AS/NZS 3947.1, General rules are applicable to this Standard where specifically called for. Clauses and subclauses thus applicable, as well as tables, figures, and annexes are identified by reference to IEC 60947-1, for example subclause 1.2.3 of IEC 60947-1, table 4 of IEC 60947-1 or annex A of IEC 60947-1.

This Standard differs from AS 3947.6.1—1996 by the addition of IEC Amendment 2:1997 which adds appropriate IEC Standards, electromagnetic compatibility requirements and modifications to utilization category and product information.

A vertical line in the margin shows where IEC 60947-6-1:1989 has been modified by amendments 1 and 2 and the Corrigendum.

A reference to an International Standard identified in the Normative References Clause by strikethrough (example) is replaced by a reference to the Australian or Australian/New Zealand Standard(s) listed immediately thereafter and identified by shading (example). Where the struck-through referenced document and the referenced Australian or Australian/New Zealand Standard are identical, this is indicated in parenthesis after the title of the latter.

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The term 'informative' has been used in this Standard to define the application of the annex to which it applies. An 'informative' annex is only for information and guidance.



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