AS/NZS 61347.2.1:2002
IEC 61347-2-1:2000

Australian/New Zealand Standard™

Lamp controlgear

Part 2.1: Particular requirements for starting devices (other than glow starters)

Standards Australia

STANDARDS NEW ZEALAND
Paerewa Aotearoa

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The following are represented on Committee EL-041:

Association of Consulting Engineers, Australia
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Electrical Compliance Testing Association of Australia
Electrical Regulatory Authorities Council (Australia)
Energy Efficiency and Conservation Authority of New Zealand
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We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia International or Standards New Zealand at the address shown on the back cover.

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Australian/New Zealand Standard™

Lamp controlgear

Part 2.1: Particular requirements for starting devices (other than glow starters)

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-041, Lamps and related equipment.

The objective of this Standard is to provide the lighting industry with particular electrical safety requirements for starting devices (other than glow starters and ignitors) for fluorescent and other discharge lamps.

This Standard is identical with, and has been reproduced from, IEC 61347-2-1:2000, *Lamp controlgear—Particular requirements for starting devices (other than glow starters)*.

This Standard is a section of Part 2 of a series dealing with Lamp controlgear, which consists of the following Parts; additional parts will be added from time to time.

AS/NZS	
61347	Lamp controlgear
61347.1	Part 1: General and safety requirements
61347.2.1	Part 2.1: Particular requirements for starting devices (other than glow starters) (this Standard)
61347.2.4	Part 2.4: Particular requirements for d.c supplied electronic ballasts for general lighting
61347.2.5	Part 2.5: Particular requirements for d.c. supplied electronic ballasts for public transport lighting
61347.2.6	Part 2.6: Particular requirements for d.c. supplied electronic ballasts for aircraft lighting

Each Standard in Part 2 is intended to be used in conjunction with Part 1 in order to provide a complete Standard for that specific type of Lamp controlgear.

It is to be noted that AS/NZS 61347.1, to which this Standard refers for some of its requirements, differs in some respects from IEC 61347-1.

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

(a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.

(b) A full point should be substituted for a comma when referring to a decimal marker.

In this Standard, the following print types are used:

– requirements proper: in arial type;

– *test specifications: in italic type;*

– explanatory matter: in smaller arial type.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A normative annex is an integral part of a Standard, whereas an informative annex is only for informative and guidance.

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INTRODUCTION

This first edition of ~~IEC 61347-2-1~~ AS/NZS 61347.2.1, published in conjunction with ~~IEC 61347-1~~ AS/NZS 61347.1, represents an editorial review of IEC 60926. The formatting into separately published parts provides for ease of future amendments and revisions. Additional requirements will be added as and when a need for them is recognized.

This standard, and the parts which make up ~~IEC 61347-2~~ AS/NZS 61347.2, in referring to any of the clauses of ~~IEC 61347-1~~ AS/NZS 61347.1, specify the extent to which such a clause is applicable and the order in which the tests are to be performed; they also include additional requirements, as necessary. All parts which make up ~~IEC 61347-2~~ AS/NZS 61347.2 are self-contained and, therefore, do not include references to each other.

Where the requirements of any of the clauses of ~~IEC 61347-1~~ AS/NZS 61347.1 are referred to in this standard by the phrase ”The requirements of clause n of ~~IEC 61347-1~~ AS/NZS 61347.1 apply”, this phrase is interpreted as meaning that all requirements of the clause in question of part 1 apply, except any which are clearly inapplicable to the specific type of lamp controlgear covered by this particular part of ~~IEC 61347-2~~ AS/NZS 61347.2.

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard

Lamp controlgear
Part 2.1: Particular requirements for starting devices (other than glow starters)

1 Scope

This part of ~~IEC 61347~~ AS/NZS 61347 specifies particular safety requirements for starting devices (starters other than glow starters and ignitors) for fluorescent and other discharge lamps for use on a.c. supplies up to 1 000 V at 50 Hz or 60 Hz which produce starting pulses not greater than 100 kV and which are used in combination with lamps and ballasts covered in IEC 60081, IEC 60188, IEC 60192, IEC 60662, IEC 60901, IEC 61167, IEC 61195, IEC 61199, IEC 61347-2-8 and IEC 61347-2-9.

It does not apply to glow starters or starting devices which are incorporated in discharge lamps or which are manually operated. Preheat transformers for fluorescent lamps are covered by IEC 61347.2.8

NOTE - Glow starters are dealt with in IEC 60155.

This standard refers only to starting devices for use with ballasts and lamps which are internationally the most in demand.

Performance requirements are given in IEC 60927.

2 Normative references

For the purpose of this part of ~~IEC 61347~~ AS/NZS 61347, the normative references given in clause 2 of ~~IEC 61347-1~~ AS/NZS 61347.1 which are mentioned in this standard apply, together with the following normative references.

References to International Standards that are struck through in this Clause are replaced by references to equivalent Australian or Australian/New Zealand Standards that are listed immediately thereafter and identified by shading. Any Australian or Australian/New Zealand Standard that is identical to the International Standard it replaces is appropriately identified.

~~IEC 60052, *Recommendations for voltage measurement by means of sphere-gaps (one sphere earthed)*~~

AS 2886*, Voltage measurement—Sphere-gap method (one sphere earthed)* (identical to IEC 60052:1960)

IEC 60068-2-75, *Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests*

~~IEC 60155, *Glow-starters for fluorescent lamps*~~

AS 4111, *Starters for fluorescent lamps—Performance requirements*

IEC 60188, *High-pressure mercury vapour lamps*

IEC 60192*, Low-pressure sodium vapour lamps*