IEC 61347-1

Edition 3.1 2017-09
CONSOLIDATED VERSION

INTERNATIONAL STANDARD

NORME INTERNATIONALE

colour inside

Lamp controlgear –
Part 1: General and safety requirements

Appareillages de lampes –
Partie 1: Exigences générales et exigences de sécurité

IEC 61347-1:2015-02+AMD1:2017-09 CSV(en-fr)

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LAMP CONTROLGEAR –

Part 1: General and safety requirements

FOREWORD

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This consolidated version of the official IEC Standard and its amendment has been prepared for user convenience.

IEC 61347-1 edition 3.1 contains the third edition (2015-02) [documents 34C/1118/FDIS and 34C/1135/RVD] and its amendment 1 (2017-09) [documents 34C/1351/FDIS and 34C/1358/RVD].

In this Redline version, a vertical line in the margin shows where the technical content is modified by amendment 1. Additions are in green text, deletions are in strikethrough red text. A separate Final version with all changes accepted is available in this publication.

International Standard IEC 61347-1 has been prepared by subcommittee 34C: Auxiliaries for lamps, of IEC technical committee 34: Lamps and related equipment.

This third edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) additional marking requirements;

b) additional requirements for creepage distances and clearances:

for working voltages with operating frequencies up to 30 kHz;

for working voltages with higher operating frequencies than 30 kHz;

for impulse and resonance voltages ignition;

for basic, supplementary and reinforced insulation;

for insulation between circuits;

for coated or potted controlgear;

c) modification of definition of ELV and FELV;

d) modification of schematic drawing, showing the different controlgear classification and insulation requirements;

e) scope extension;

f) new Annex A: test to establish whether a conductive part is a live part which may cause an electric shock;

g) new Annex M: creepage distances and clearances for controlgear where a higher degree of availability (impulse withstand category III) may be requested;

h) new Annex Q: example for U_p calculation;

i) new Annex P: creepage distances and clearances and distance through isolation (DTI) for lamp controlgear which are protected against pollution by the use of coating or potting;

j) new Annex R: concept of creepage distances and clearances.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

This Part 1 is to be used in conjunction with the appropriate Part 2, which contains clauses to supplement or modify the corresponding clauses in Part 1, to provide the relevant requirements for each type of product.

NOTE In this standard, the following print types are used.

– Requirements proper: in roman type.

– *Test specifications: in italic type*.

– Explanatory matter: in smaller roman type.

A list of all parts of the IEC 61347 series, published under the general title *Lamp controlgear,* can be found on the IEC website.