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Irish Standard
I.S. EN 62386-209:2011

Digital addressable lighting interface -- Part 209: Particular requirements for control gear - Colour control (device type 8) (IEC 62386-209:2011 (EQV))

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 62386-209

August 2011

ICS 29.140.50; 29.140.99

English version

Digital addressable lighting interface - Part 209: Particular requirements for control gear - Colour control (device type 8)

(IEC 62386-209:2011)

Interface d'éclairage adressable numérique -
Partie 209: Exigences particulières pour les appareillages de commande - Commande de la couleur (Type de dispositif 8)
(CEI 62386-209:2011)

Digital adressierbare Schnittstelle für die Beleuchtung -
Teil 209: Besondere Anforderungen an Betriebsgeräte - Farbsteuerung (Gerätetyp 8)
(IEC 62386-209:2011)

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

The text of document 34C/964/FDIS, future edition 1 of IEC 62386-209, prepared by SC 34C, Auxiliaries for lamps, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62386-209 on 2011-07-29.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

– latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2012-04-29
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2014-07-29

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62386-209:2011 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

[1]	IEC 60598-1	NOTE	Harmonized as EN 60598-1.
[2]	IEC 60669-2-1	NOTE	Harmonized as EN 60669-2-1.
[3]	IEC 60921	NOTE	Harmonized as EN 60921.
[4]	IEC 60923	NOTE	Harmonized as EN 60923.
[5]	IEC 60929	NOTE	Harmonized as EN 60929.
[6]	IEC 61347-1	NOTE	Harmonized as EN 61347-1.
[7]	IEC 61347-2-3	NOTE	Harmonized as EN 61347-2-3.
[8]	IEC 61547	NOTE	Harmonized as EN 61547.
[9]	IEC 62384	NOTE	Harmonized as EN 62384.
[10]	CISPR 15	NOTE	Harmonized as EN 55015.

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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 62386-101	2009	Digital addressable lighting interface - Part 101: General requirements - System	EN 62386-101	2009
IEC 62386-102	2009	Digital addressable lighting interface - Part 102: General requirements - Control gear	EN 62386-102	2009
CIE	1931	Commission internationale de l'Eclairage - Proceedings	-	-
CIE 17.4	1987	International Lighting Vocabulary	-	-

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

DIGITAL ADDRESSABLE LIGHTING INTERFACE –

Part 209: Particular requirements for control gear – Colour control (device type 8)

FOREWORD

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International Standard IEC 62386-209 has been prepared by subcommittee 34C: Auxiliaries for lamps, of IEC technical committee 34: Lamps and related equipment.

This publication contains attached .pdf files, which reproduce the test sequences illustrated in Figures 5 to 127. These files are intended to be used as a complement and do not form an integral part of the publication.

The text of this standard is based on the following documents:

FDIS	Report on voting
34C/964/FDIS	34C/978/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

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

This Part 209 is intended to be used in conjunction with IEC 62386-101 and IEC 62386-102, which contain general requirements for the relevant product type (control gear or control devices).

A list of all parts of the IEC 62386 series, under the general title *Digital addressable lighting interface*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
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INTRODUCTION

This first edition of IEC 62386-209 is published in conjunction with IEC 62386-101 and IEC 62386-102. The division of IEC 62386 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 recognised.

This International Standard, and the other parts that make up the IEC 62386-200 series, in referring to any of the clauses of IEC 62386-101 or IEC 62386-102, specifies the extent to which such a clause is applicable and the order in which the tests are to be performed. The parts also include additional requirements, as necessary. All parts that make up the IEC 62386-200 series are self-contained and therefore do not include references to each other.

Where the requirements of any of the clauses of IEC 62386-101 or IEC 62386-102 are referred to in this International Standard by the sentence "The requirements of IEC 62386-1XX, clause ‘n’ apply”, this sentence is to be interpreted as meaning that all requirements of the clause in question of Part 101 or Part 102 apply, except any which are inapplicable to the specific type of lamp control gear covered by Part 209.

All numbers used in this International Standard are decimal numbers unless otherwise noted. Hexadecimal numbers are given in the format 0xVV, where VV is the value. Binary numbers are given in the format XXXXXXXXb or in the format XXXX XXXX, where X is 0 or 1; 'x' in binary numbers means 'don't care'.

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