



SLOVENSKI STANDARD SIST EN 62386-201:2009

01-november-2009

Nadomešča:
SIST EN 60929:2006

**Digitalni naslovljivi vmesnik za razsvetljavo - 201. del: Posebne zahteve za krmilja -
Fluorescentne sijalke (naprava tipa 0) (IEC 62386-201:2009)**

Digital addressable lighting interface - Part 201: Particular requirements for control gear -
Fluorescent lamps (device type 0) (IEC 62386-201:2009)

Digital adressierbare Schnittstelle für die Beleuchtung - Teil 201: Besondere
Anforderungen an Betriebsgeräte - Leuchtstofflampen (Gerätetyp 0) (IEC 62386-
201:2009)

Interface d'éclairage adressable numérique - Partie 201: Exigences particulières pour les
appareillages - Lampes fluorescentes (dispositifs de type 0) (CEI 62386-201:2009)

Ta slovenski standard je istoveten z: EN 62386-201:2009

ICS:

29.140.30	Fluorescenčne sijalke. Sijalke	Fluorescent lamps. Discharge lamps
29.140.50	Instalacijski sistemi za razsvetljavo	Lighting installation systems
35.200	Vmesniška in povezovalna oprema	Interface and interconnection equipment

SIST EN 62386-201:2009 en,fr

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 62386-201:2009](https://standards.iteh.ai/catalog/standards/sist/b406e81e-158d-4d01-afad-19bf3476a7aa/sist-en-62386-201-2009)

<https://standards.iteh.ai/catalog/standards/sist/b406e81e-158d-4d01-afad-19bf3476a7aa/sist-en-62386-201-2009>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 62386-201

August 2009

ICS 29.140.50; 29.140.99

Partially supersedes EN 60929:2006

English version

**Digital addressable lighting interface -
Part 201: Particular requirements for control gear -
Fluorescent lamps (device type 0)
(IEC 62386-201:2009)**

Interface d'éclairage
adressable numérique -
Partie 201: Exigences particulières
pour les appareillages de commande -
Lampes fluorescentes
(dispositifs de type 0)
(CEI 62386-201:2009)

Digital adressierbare Schnittstelle
für die Beleuchtung -
Teil 201: Besondere Anforderungen
an Betriebsgeräte -
Leuchtstofflampen (Gerätetyp 0)
(IEC 62386-201:2009)

**ITeh STANDARD PREVIEW
(standards.iteh.ai)**

This European Standard was approved by CENELEC on 2009-07-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

Central Secretariat: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 34C/784/CDV, future edition 1 of IEC 62386-201, 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 62386-201 on 2009-07-01.

EN 62386-201:2009, together with EN 62386-101 and EN 62386-102, replaces Clause E.4 "Control by digital signals" and Annex G "Test procedures for ballasts with digital control interface according to Clause E.4" of EN 60929:2006.

This Part 201 is intended to be used in conjunction with EN 62386-101 and EN 62386-102, which contain general requirements for the relevant product type (control gear or control devices).

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) 2010-04-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2012-07-01

Annex ZA has been added by CENELEC.

iTeh STANDARD PREVIEW Endorsement notice (standards.iteh.ai)

The text of the International Standard IEC 62386-201:2009 was approved by CENELEC as a European Standard without any modification.

[SIST EN 62386-201:2009](http://standards.iteh.ai/catalog/standards/sist/19bf3476a7aa/sist-en-62386-201-2009)

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

IEC 60598-1	NOTE	Harmonized as EN 60598-1:2008 (modified).
IEC 60669-2-1	NOTE	Harmonized as EN 60669-2-1:2004 (modified).
IEC 60921	NOTE	Harmonized as EN 60921:2004 (not modified).
IEC 60923	NOTE	Harmonized as EN 60923:2005 (not modified).
IEC 60925	NOTE	Harmonized as EN 60925:1991 (not modified).
IEC 60929	NOTE	Harmonized as EN 60929:2006 (not modified).
IEC 61347-1	NOTE	Harmonized as EN 61347-1:2007 (modified).
IEC 61347-2-3	NOTE	Harmonized as EN 61347-2-3:2001 (not modified).
IEC 61547	NOTE	Harmonized as EN 61547:2009 (not modified).
CISPR 15	NOTE	Harmonized as EN 55015:2006 (not modified).

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN 62386-201:2009](https://standards.iteh.ai/catalog/standards/sist/b406e81e-158d-4d01-afad-19bf3476a7aa/sist-en-62386-201-2009)

<https://standards.iteh.ai/catalog/standards/sist/b406e81e-158d-4d01-afad-19bf3476a7aa/sist-en-62386-201-2009>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 62386-201:2009](https://standards.iteh.ai/catalog/standards/sist/b406e81e-158d-4d01-afad-19bf3476a7aa/sist-en-62386-201-2009)

<https://standards.iteh.ai/catalog/standards/sist/b406e81e-158d-4d01-afad-19bf3476a7aa/sist-en-62386-201-2009>



IEC 62386-201

Edition 1.0 2009-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Digital addressable lighting interface –
Part 201: Particular requirements for control gear – Fluorescent lamps (device
type 0)**

**Interface d'éclairage adressable numérique –
Partie 201: Exigences particulières pour les appareillages de commande –
Lampes fluorescentes (dispositifs de type 0)**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE
CODE PRIX



ICS 29.140.50; 29.140.99

ISBN 2-8318-9599-5

CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references	6
3 Terms and definitions	6
4 General	6
5 Electrical specification.....	6
6 Interface power supply	6
7 Transmission protocol structure.....	6
8 Timing	7
9 Method of operation	7
10 Declaration of variables	7
11 Definition of commands	7
12 Test procedures	8
Bibliography.....	11
Figure 1 – Test sequence "QUERY EXTENDED VERSION NUMBER"	9
Figure 2 – Test sequence "Unused application extended commands for device type 0".....	10
Table 1 – Declaration of variables.....	7
Table 2 – Summary of the application extended command set	8

INTERNATIONAL ELECTROTECHNICAL COMMISSION

DIGITAL ADDRESSABLE LIGHTING INTERFACE –**Part 201: Particular requirements for control gear –
Fluorescent lamps (device type 0)**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with an IEC Publication.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 62386-201 has been prepared by subcommittee 34C: Auxiliaries for lamps, of IEC technical committee 34: Lamps and related equipment.

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

CDV	Report on voting
34C/784/CDV	34C/812/RVC

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

IEC 62386-101, IEC 62386-102 and IEC 62386-201 replace IEC 60929 Edition 3, Clause E.4 "Control by digital signals" and Annex G "Test procedures for ballasts with digital control interface according to Clause E.4".

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