



SLOVENSKI STANDARD SIST EN 61291-2:2007

01-november-2007

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Optical amplifiers -- Part 2: Digital applications - Performance specification template (IEC 61291-2:2007)

Lichtwellenleiter-Verstärker Teil 2: Digitale Anwendungen - Vorlage für Leistungsspezifikationen (IEC 61291-2:2007)

Amplificateurs optiques -- Partie 2: Applications numériques - Modeles de spécifications de fonctionnement (IEC 61291-2:2007)

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log/standards/sist/6450aeaf-25b9-41cf-a70d-fca2c55a95ae/sist-en-61291-2-2007

Ta slovenski standard je istoveten z: EN 61291-2:2007

ICS:

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SIST EN 61291-2:2007 en,fr,de

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English version

**Optical amplifiers -
Part 2: Digital applications -
Performance specification template
(IEC 61291-2:2007)**

Amplificateurs optiques -
Partie 2: Applications numériques -
Modèles de spécifications
de fonctionnement
(CEI 61291-2:2007)

Lichtwellenleiter-Verstärker -
Teil 2: Digitale Anwendungen -
Vorlage für Leistungsspezifikationen
(IEC 61291-2:2007)

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This European Standard was approved by CENELEC on 2007-05-01. 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. -2:2007

<https://standards.iteh.ai/catalog/standards/sist/6450aeaf-25b9-41cf-a70d-142c3493ac8f/iec-61291-2-2007>
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: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 86C/728/CDV, future edition 2 of IEC 61291-2, prepared by SC 86C, Fibre optic systems and active devices, of IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel Unique Acceptance Procedure and was approved by CENELEC as EN 61291-2 on 2007-05-01.

This European Standard supersedes EN 61291-2:2000.

The main significant changes are the following:

- the applicability has been extended to all commercially available optical amplifiers, not just optical fibre amplifiers;
- Clause 7, EMC has been added;
- references to applicable test methods have been updated.

This standard is to be used in conjunction with EN 61291-1:2006

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) 2008-02-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2010-05-01

Annex ZA has been added by CENELEC.

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SIST EN 61291-2:2007 Endorsement notice

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The text of the International Standard IEC 61291-2:2007 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 61280 NOTE Harmonized in EN 61280 series (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 61290	Series	Optical amplifiers - Test methods	EN 61290	Series
IEC 61291-1	- ¹⁾	Optical amplifiers - Part 1: Generic specification	EN 61291-1	2006 ²⁾
IEC 61291-5-2	- ¹⁾	Optical amplifiers - Part 5-2: Qualification specifications - Reliability qualification for optical fibre amplifiers	EN 61291-5-2	2002 ²⁾
IEC 60825-1	1993	Safety of laser products - Part 1: Equipment classification, requirements and user's guide	EN 60825-1 + corr. February + A11	1994 1995 1996

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¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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INTERNATIONAL
STANDARD
NORME
INTERNATIONALE

IEC
CEI

61291-2

Second edition
Deuxième édition
2007-04

Optical amplifiers –

Part 2:
Digital applications –
Performance specification template

iTeh STANDARD PREVIEW

Amplificateurs optiques –

Partie 2: [SIST EN 61291-2:2007](https://standards.iteh.ai/catalog/standards/sist/6450aeaf-25b9-41cf-a70d-1ca2c55a95ae/sist-en-61291-2-2007)

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Applications numériques –
Modèles de spécifications de fonctionnement



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

PRICE CODE
CODE PRIX

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*For price, see current catalogue
Pour prix, voir catalogue en vigueur*

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL AMPLIFIERS –

**Part 2: Digital applications –
Performance specification template**

FOREWORD

- 1) The IEC (International Electrotechnical Commission) 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, the 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. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 61291-2 has been prepared by subcommittee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics.

This second edition cancels and replaces the first edition published in 2000 and constitutes a technical revision. The main significant changes are the following:

- a) the applicability has been extended to all commercially available optical amplifiers, not just optical fibre amplifiers;
- b) Clause 7, EMC has been added;
- c) references to applicable test methods have been updated.

This standard shall be used in conjunction with IEC 61291-1. It was established on the basis of the second (2006) edition of that standard.