### SLOVENSKI STANDARD

### SIST EN 61291-2:2002

prva izdaja september 2002

Optical fibre amplifiers - Part 2: Digital applications - Performance specification template (IEC 61291-2:2000)

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SIST EN 61291-2:2002

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Referenčna številka SIST EN 61291-2:2002(en)

ICS 33.180.30

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### **EUROPEAN STANDARD**

### EN 61291-2

### NORME EUROPÉENNE

### **EUROPÄISCHE NORM**

November 2000

ICS 33.180.30

#### **English version**

# Optical fibre amplifiers Part 2: Digital applications - Performance specification template (IEC 61291-2:2000)

Amplificateurs à fibres optiques Partie 2: Applications numériques -Modèle de spécification de fonctionnement (CEI 61291-2:2000) Lichtwellenleiter-Verstärker Teil 2: Digitale Anwendungen -Vorlage für Leistungsspezifikationen (IEC 61291-2:2000)

This European Standard was approved by CENELEC on 2000-09-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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### 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/273/FDIS, future edition 1 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 vote and was approved by CENELEC as EN 61291-2 on 2000-09-01.

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) 2001-06-01

 latest date by which the national standards conflicting with the EN have to be withdrawn

(dow) 2003-09-01

Annexes designated "normative" are part of the body of the standard. Annexes designated "informative" are given for information only. In this standard, annex ZA is normative and annex A is informative. Annex ZA has been added by CENELEC.

#### **Endorsement notice**

The text of the International Standard IEC 61291-2:2000 was approved by CENELEC as a European Standard without any modification.

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### Annex ZA (normative)

## Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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>	EN/HD	<u>Year</u>
IEC 61280	Series	Fibre optic communication subsystem basic test procedures	EN 61280	Series
IEC 61290	Series	Optical fibre amplifiers - Basic specification	EN 61290	Series
IEC 61291-1	1998	Optical fibre amplifiers Part 1: Generic specification	EN 61291-1	1998
IEC 60825-1	1993	Safety of laser products Part 1: Equipment classification, requirements and user's guide	EN 60825-1 + corr. February + A11 + corr. July	1994 1995 1996 1997
fTU-T Recommendation G.957	1995	Optical interfaces for equipment and systems relating to the synchronous digital hierarchy	-	-

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## NORME INTERNATIONALE INTERNATIONAL STANDARD

CEI IEC 61291-2

> Première édition First edition 2000-07

Amplificateurs à fibres optiques -

Partie 2:
Applications numériques –
Modèle de spécifications de fonctionnement

Optical fibre amplifiers -

Part 2:
Digital applications –
Performance specification template

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Commission Electrotechnique Internationale International Electrotechnical Commission Международная Электротехническая Комиссия

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#### INTERNATIONAL ELECTROTECHNICAL COMMISSION

#### **OPTICAL FIBRE 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. 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.
- The formal decisions or agreements of the 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 National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
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- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61291-2 has been prepared by subcommittee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics.

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



Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table. <u>SIST EN 61291-2:2002</u>

https://standards.iteh.ai/catalog/standards/sist/6ebc864d-b66c-4b32-abe2-

This publication has been drafted \$\text{n7accordance} \text{with the ISO/IEC Directives, Part 3.}

Annex A is for information only.

The committee has decided that the contents of this publication will remain unchanged until 2002. At this date, the publication will be

- reconfirmed;
- withdrawn;
- · replaced by a revised edition, or
- amended.