SLOVENSKI STANDARD

SIST EN 61290-5-3:2004

september 2004

Ojačevalci optičnih vlaken – Osnovne specifikacije – 5-3. del: Metode preskušanja za parametre odbojne jakosti - Toleranca odbojne jakosti z uporabo analizatorja električnega spektra (IEC 61290-5-3:2002)*

Optical fibre amplifiers - Basic specification - Part 5-3: Test methods for reflectance parameters - Reflectance tolerance using an electrical spectrum analyzer (IEC 61290-5-3:2002)

ICS 33.180.30

Referenčna številka
SIST EN 61290-5-3:2004(en)

EUROPEAN STANDARD **EN 61290-5-3**

NORME EUROPÉENNE

EUROPÄISCHE NORM April 2002

ICS 33.180.30

English version

Optical fibre amplifiers - Basic specification Part 5-3: Test methods for reflectance parameters - Reflectance tolerance using an electrical spectrum analyser

(IEC 61290-5-3:2002)

Amplificateurs à fibres optiques - Spécification de base Partie 5-3: Méthodes d'essai des paramètres de réflectance - Tolérance de réflectance en utilisant un analyseur de spectre électrique (CEI 61290-5-3:2002)

Lichtwellenleiter-Verstärker - Grundspezifikation Teil 5-3: Prüfverfahren für Reflexionsparameter - Zulässige Rückflussdämpfung unter Verwendung elektrischer Spektralanalysatoren (IEC 61290-5-3:2002)

This European Standard was approved by CENELEC on 2002-04-01. 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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and 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

Ref. No. EN 61290-5-3:2002 E

Foreword

The text of document 86C/390/FDIS, future edition 1 of IEC 61290-5-3, 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 61290-5-3 on 2002-04-01.

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)	2003-01-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2005-04-01

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 61290-5-3:2002 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:

IEC 60825-1	NOTE	Harmonized as EN 60825-1:1994 (not modified).
IEC 60825-2	NOTE	Harmonized as EN 60825-2:2000 (not modified).
IEC 60874-1	NOTE	Harmonized as EN 60874-1:1999 (not modified).

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.

Publication	Year	Title	EN/HD	Year
IEC 61290-3	- [1)]	Optical fibre amplifiers - Basic specification Part 3: Test methods for noise figure parameters	EN 61290-3	2000 [2)]
IEC 61290-3-2	- [3)]	Part 3-2: Test methods for noise figure parameters - Electrical spectrum analyser test method		-
IEC 61291-1	1998	Optical fibre amplifiers Part 1: Generic specification	EN 61291-1	1998

[1)] Undated reference.

[2)] Valid edition at date of issue.

[3)] To be published.

NORME INTERNATIONALE

INTERNATIONAL STANDARD

CEI
IEC
61290-5-3

Première édition
First edition
2002-03

Amplificateurs à fibres optiques – Spécification de base –

Partie 5-3: Méthodes d'essai des paramètres de réflectance – Tolérance de réflectance en utilisant un analyseur de spectre électrique

Optical fibre amplifiers – Basic specification –

Part 5-3: Test methods for reflectance parameters – Reflectance tolerance using an electrical spectrum analyser

International Electrotechnical Commission, 3, rue de Varembé, PO Box 131, CH-1211 Geneva 20, Switzerland
Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: inmail@iec.ch Web: www.iec.ch

Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE L

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

CONTENTS

INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL FIBRE AMPLIFIERS – BASIC SPECIFICATION –

Part 5-3: Test methods for reflectance parameters – Reflectance tolerance using an electrical spectrum analyser

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.
2) 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.
4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
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 61290-5-3 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:

FDIS	Report on voting
86C/390/FDIS	86C/400/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.

This publication has been drafted in accordance 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 2009. At this date, the publication will be

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