SLOVENSKI STANDARD

SIST EN 61202-1:2004

september 2004

Izolatorji optičnih vlaken – 1. del: Splošne specifikacije (IEC 61202-1:2000)*

Fibre optic isolators - Part 1: Generic specification (IEC 61202-1:2000)

ICS 33.180.20

Referenčna številka
SIST EN 61202-1:2004(en)

EUROPEAN STANDARD **EN 61202-1**

NORME EUROPÉENNE

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ICS 33.180.20

English version

Fibre optic isolators
Part 1: Generic specification
(IEC 61202-1:2000)

Isolateurs à fibres optiques
Partie 1: Spécification générique
(CEI 61202-1:2000)

Lichtwellenleiter-Isolatoren
Teil 1: Fachgrundspezifikation
(IEC 61202-1:2000)

This European Standard was approved by CENELEC on 2000-02-01. 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.

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 61202-1:2000 E

Foreword

The text of document 86B/1269/FDIS, future edition 2 of IEC 61202-1, prepared by IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61202-1 on 2000-02-01.

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)	2000-11-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2003-02-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61202-1:2000 was approved by CENELEC as a European Standard without any modification.

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 Guide 102	1989	Electronic components - Specification structures for quality assessment (Qualification approval and capability approval)	-	-
IEC QC 001001	1998	Basic rules of the IEC Quality Assessment System for Electronic Components (IECQ)	-	-
IEC QC 001002-2	1998	IEC Quality Assessment System for Electronic Components (IECQ) - Basic rules Part 2: Documents	-	-
IEC QC 001002-3	1998	Part 3: Approval procedures	-	-
IEC 60027	Series	Letter symbols to be used in electrical technology	-	-
IEC 60050-731	1991	International Electrotechnical Vocabulary (IEV) Chapter 731: Optical fibre communication	-	-
IEC 60410	1973	Sampling plans and procedures for inspection by attributes	-	-
IEC 60617-12	1997	Graphical symbols for diagrams Part 12: Binary logic elements	EN 60617-12	1998
IEC 60695-2-2	1991	Fire hazard testing Part 2: Test methods -- Section 2: Needle-flame test	EN 60695-2-2	1994
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
A1	1997		-	-

Publication	Year	Title	EN/HD	Year
IEC 61300-1 + corr. March	1995 1995	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures Part 1: General and guidance	EN 61300-1	1997
IEC 61300-2	Series	Part 2: Tests	EN 61300-2	Series
IEC 61300-3	Series	Part 3: Examinations and measurements	EN 61300-3	Series
ISO 129	1985	Technical drawings - Dimensioning - General principles, definitions, methods of execution and special indications	-	-
ISO 286-1	1988	ISO system of limits and fits Part 1: Bases of tolerances, deviations and fit	EN 20286-1	1993
ISO 370	1975	Toleranced dimensions - Conversion from inches into millimetres and vice versa	-	-
ISO/FDIS 1101		Geometrical Product Specification (GPS) - Geometrical tolerancing - Generalities, definitions, symbols, indications on drawings	-	-
ISO 8601	1988	Data elements and interchange formats - Information interchange - Representation of dates and times	EN 28601	1992

NORME INTERNATIONALE

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Isolateurs à fibres optiques –

Partie 1:
Spécification générique

Fibre optic isolators –

Part 1:
Generic specification

International Electrotechnical Commission 3, rue de Varembé Geneva, Switzerland
Telefax: +41 22 919 0300 e-mail: inmail@iec.ch IEC web site http://www.iec.ch

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Международная Электротехническая Комиссия

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For price, see current catalogue

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIBRE OPTIC ISOLATORS –
Part 1: Generic specification

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 61202-1 has been prepared by sub-committee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

This second edition cancels and replaces the first edition, published in 1994, and constitutes a technical revision.

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

FDIS	Report on voting
86B/1269/FDIS	86B/1293/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.

IEC 61202 consists of the following parts under the general title *Fibre optic isolators:*

Part 1: *Generic specification*

Part 1-1: *Blank detail specification*

The QC number that appears on the front cover of this publication is the specification number in the IEC Quality Assessment System for Electronic Components (IECQ).

The committee has decided that the contents of this publication will remain unchanged until 2008. At this date, the publication will be

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

INTRODUCTION

This part of IEC 61202 is divided into three clauses.

The first clause is entitled “General” and contains general information pertaining to this generic specification.

The second clause is entitled “Requirements” and contains all the requirements to be met by isolators covered by this standard, i.e. requirements for classification, the IEC specification system, documentation, materials, workmanship, quality, performance, identification, and packaging.

The third clause is entitled “Quality assessment procedures” and contains all of the procedures which need to be followed for proper quality assessment of products covered by this standard.

NOTE Test and measurement procedures are described in IEC 61300-1, IEC 61300-2 and IEC 61300-3.