SLOVENSKI STANDARD

SIST EN 61274-1:2008

01-marec-2008

Nadomeģļ a:

SIST EN 61274-1:1997

Prilagodilniki (adapterji) za optiļ ne konektorje - 1. del: Rodovna specifikacija (IEC 61274-1:2007)

Adaptors for fibre optic connectors - Part 1: Generic specification (IEC 61274-1:2007)

Kupplungen für Lichtwellenleiter - Teil 1: Fachgrundspezifikation (IEC 61274-1:2007)

Raccords de connecteurs de fibres optiques - Partie 1: Spécification générique (CEI 61274-1:2007)

Ta slovenski standard je istoveten z: EN 61274-1:2008

ICS:

33.180.20

SIST EN 61274-1:2008 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61274-1

January 2008

ICS 33.180.20

Supersedes EN 61274-1:1997

English version

Adaptors for fibre optic connectors - Part 1: Generic specification

(IEC 61274-1:2007)

Raccords de connecteurs de fibres optiques - Partie 1: Spécification générique (CEI 61274-1:2007)

Kupplungen für Lichtwellenleiter - Teil 1: Fachgrundspezifikation (IEC 61274-1:2007)

This European Standard was approved by CENELEC on 2007-12-01. 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: rue de Stassart 35, B - 1050 Brussels

Ref. No. EN 61274-1:2008 E

Foreword

The text of document 86B/2486/FDIS, future edition 2 of IEC 61274-1, prepared by SC 86B, Fibre optic interconnecting devices and passive components, of IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61274-1 on 2007-12-01.

This European Standard supersedes EN 61274-1:1997.

The specific technical changes from EN 61274-1:1997 include the updating of the classification, specification system and standardization system.

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)	2008-09-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2010-12-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61274-1:2007 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 60874	NOTE	Harmonized in EN 60874 series (not modified).
IEC 61274-1-1	NOTE	Harmonized as EN 61274-1-1:2006 (not modified).
IEC 61300-1	NOTE	Harmonized as EN 61300-1:2003 (not modified).
IEC 61300-2	NOTE	Harmonized in EN 61300-2 series (not modified).
IEC 61300-3	NOTE	Harmonized in EN 61300-3 series (not modified).
IEC 61754-2	NOTE	Harmonized as EN 61754-2:1997 (not modified).
IEC 61754-4	NOTE	Harmonized as EN 61754-4:1997 (not modified).
IEC 61754-13	NOTE	Harmonized as EN 61754-13:2006 (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.

Publication	Year	Title	EN/HD	Year
IEC 60027	Series	Letter symbols to be used in electrical technology	EN 60027	Series
IEC 60050-731	-[1]	International Electrotechnical Vocabulary (IEV) - Chapter 731: Optical fibre communication	-	-
IEC 60410	-[1]	Sampling plans and procedures for inspection by attributes	-	-
IEC 60617	Data-base	Graphical symbols for diagrams	-	-
IEC 60695-11-5	-[1]	Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance	EN 60695-11-5	2005[2]
IEC 60825-1	-[1]	Safety of laser products - Part 1: Equipment classification and requirements	EN 60825-1	2007[2]
IEC 61300	Series	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures	EN 61300	Series
IEC 61753	Series	Fibre optic interconnecting devices and passive components performance standard	EN 61753	Series
IEC 61753-1	-[1]	Fibre optic interconnecting devices and passive components performance standard - Part 1: General and guidance for performance standards	EN 61753-1	2007
IEC 61754	Series	Fibre optic connector interfaces	EN 61754	Series
IEC 61755	Series	Fibre optic connector optical interfaces	EN 61755	Series
IEC/TR 61930	-[1]	Fibre optic graphical symbology	-	-
IEC/TR 61931	-[1]	Fibre optic - Terminology	-	-

[1] Undated reference.

[2] Valid edition at date of issue.

Publication	Year	Title	EN/HD	Year
IEC QC 001002-2	1998	IEC Quality Assessment System for Electronic Components (IECQ) - Rules of Procedure - Part 2: Documentation	-	-
IEC QC 001002-3	2005	IEC Quality Assessment System for Electronic Components (IECQ) - Rules of Procedure - Part 3: Approval procedures	-	-
ISO 129-1	-[1)]	Technical drawings - Indication of dimensions and tolerances - Part 1: General Principles	-	-
ISO 286-1	-[1)]	ISO system of limits and fits - Part 1: Bases of tolerances, deviations and fits	EN 20286-1	1993[2)]
ISO 1101	-[1)]	Geometrical Product Specifications (GPS) - Geometrical tolerancing - Tolerances of form, orientation, location and run-out	EN ISO 1101	2005[2)]
ISO 8601	-[1)]	Data elements and interchange formats - Information interchange - Representation of dates and times	-	-

INTERNATIONAL STANDARD

NORME INTERNATIONALE

IEC
CEI
61274-1

Second edition
Deuxième édition
2007-04

Adaptors for fibre optic connectors –

Part 1:
Generic specification

Raccords de connecteurs de fibres optiques –

Partie 1:
Spécification générique

Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

PRICE CODE
CODE PRIX U

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

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ADAPTORS FOR FIBRE OPTIC CONNECTORS –

Part 1: Generic specification

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of 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.
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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 61274-1 has been prepared by subcommittee 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 specific technical changes from the previous edition include the updating of the classification, specification system and standardization system.

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

FDIS	Report on voting
86B/2486/FDIS	86B/2524/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 2.

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).

IEC 61274 consists of the following parts, under the general title *Adaptors for fibre optic connectors*:

Part 1: Generic specification

Part 1-1: Blank detail specification

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

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

INTRODUCTION

This part of IEC 61274 is divided into five clauses.

Clauses 1, 2 and 3 contain general information pertaining to this generic specification.

Clause 4 is entitled "Requirements" and contains all the requirements to be met by adaptors covered by this standard. This includes requirements for classification, the IEC specification system, documentation, materials, workmanship, quality, performance, identification and packaging.

NOTE Clauses 1 to 4 are applicable generally and refer to all adaptor standards, while Clause 5 relates to IEC qualification alone.

Clause 5 is entitled "Quality assessment procedures" and contains all of the procedures which must be followed for proper quality assessment of products covered by this standard.

ADAPTORS FOR FIBRE OPTIC CONNECTORS –

Part 1: Generic specification

1 Scope

This part of IEC 61274 applies to fibre optic adaptors for all types, sizes and structures of optical fibre connectors. It includes:

– adaptor requirements;

– quality assessment procedures.

This standard does not cover test and measurement procedures, which are described in IEC 61300-1, IEC 61300-2 and IEC 61300-3.

2 Normative references

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.

References made to a specific clause or subclause of a standard include all subclauses of the reference unless otherwise specified.

IECQ 001002-2:1998 , *IEC Quality Assessment System for Electronic Components (IECQ) – Rules of procedure – Part 2: Documentation*

IECQ 001002-3:2005 , *IEC Quality Assessment System for Electronic Components (IECQ) – Rules of procedure – Part 3: Approval procedures*

IEC 60027 (all parts), *Letter symbols to be used in electrical technology*

IEC 60050-731, *International Electrotechnical Vocabulary (IEV) – Chapter 731: Optical fibre communication*

IEC 60410, *Sampling plans and procedures for inspection by attributes*

IEC 60617, *Graphical symbols for diagrams*

IEC 60695-11-5, *Fire hazard testing – Part 11-5: Test flames – Needle-flame test method – Apparatus, confirmatory test arrangement and guidance*

IEC 60825-1, *Safety of laser products – Part 1: Equipment classification, requirements and user's guide*

IEC 61300 (all parts), *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures*

IEC 61753 (all parts), *Fibre optic interconnecting devices and passive components performance standard*

IEC 61753-1: *Fibre optic interconnecting devices and passive components – Part 1: General and guidance for performance standards*

IEC 61754 (all parts), *Fibre optic connector interfaces*

IEC 61755 (all parts), *Fibre optic connector optical interfaces*