

SLOVENSKI STANDARD SIST EN 61314-1:2012

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Nadomešča:

SIST EN 61314-1:2009

Optični spojni elementi in pasivne komponente - Izhodne zmogljivosti optičnih vlaken - 1. del: Rodovna specifikacija (IEC 61314-1:2011)

Fibre optic interconnecting devices and passive components - Fibre optic fan-outs - Part 1: Generic specification (IEC 61314-1:2011)

Lichtwellenleiter - Verbindungselemente und passive Bauteile - Lichtwellenleiteraufteiler - Teil 1: Fachgrundspezifikation (IEC 61314-1:2011)

Dispositifs d'interconnexion et composants passifs à fibres optiques - Systèmes d'éclatement pour fibres optiques Partie Partie Spécification générique (CEI 61314-1:2011)

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EUROPEAN STANDARD

EN 61314-1

NORME EUROPÉENNE EUROPÄISCHE NORM

March 2012

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Supersedes EN 61314-1:2009

English version

Fibre optic interconnecting devices and passive components Fibre optic fan-outs Part 1: Generic specification

(IEC 61314-1:2011)

Dispositifs d'interconnexion et composants passifs à fibres optiques - Systèmes d'éclatement pour fibres optiques - Partie 1: Spécification générique (CEI 61314-1:2011)

Lichtwellenleiter Verbindungselemente und passive
Bauteile Lichtwellenleiteraufteiler Teil 1: Fachgrundspezifikation
(IEC 61314-1:2011)

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European Committee for Electrotechnical Standardization Comité Européen de Normalisation Electrotechnique Europäisches Komitee für Elektrotechnische Normung

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 86B/3270/FDIS, future edition 4 of IEC 61314-1, 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 approved by CENELEC as EN 61314-1:2012.

The following dates are fixed:

latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement
 latest date by which the national standards conflicting with the document have to be withdrawn
 latest date by which the national document have to be withdrawn

This document supersedes EN 61314-1:2009.

The specific technical changes from EN 61314-1:2009 are to reconsider a drawing showing the relationship between EN 60874, EN 61753, EN 61754 series of standards, and updating the normative references.

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Endorsement notice

SIST EN 61314-1:2012

The text of the International Standard dEC 61314:11:201/19 was:approved by CENELEC as a European Standard without any modification. 84ca0e519721/sist-en-61314-1-2012

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60793-1 series NOTE Harmonized in EN 60793-1 series.

IEC 60869-1 NOTE Harmonized as EN 60869-1.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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>	EN/HD	<u>Year</u>
IEC 60027	Series	Letter symbols to be used in electrical technology	-	-
IEC 60050-731	-	International Electrotechnical Vocabulary (IEV) - Chapter 731: Optical fibre communication	-	-
IEC 60617	Data- base	Graphical symbols for diagrams	-	-
IEC 60695-11-5	iTo	Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance	EN 60695-11-5	-
IEC 60793-1-1	-	Optical fibres dards iteh ai Part 1-1: Measurement methods and test procedures - General and guidance	EN 60793-1-1	-
IEC 60794-1-1	https://sta	Optical fibre cables dards/sist/694dacac-ee13-433l Part 1-1: Generic specification - General	EN 60794-1-1	-
IEC 60825-1	-	Safety of laser products - Part 1: Equipment classification and requirements	EN 60825-1	-
IEC 60869-1	-	Fibre optic attenuators - Part 1: Generic specification	EN 60869-1	-
IEC 60874-1	-	Fibre optic interconnecting devices and passive components - Connectors for optical fibres and cables - Part 1: Generic specification	EN 60874-1	-
IEC 61073-1	-	Fibre optic interconnecting devices and passive components - Mechanical splices and fusion splice protectors for optical fibres and cables - Part 1: Generic specification	EN 61073-1	-
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/TR 61930	-	Fibre optic graphical symbology	-	-
IEC/TR 61931	-	Fibre optic - Terminology	-	-

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Publication IEC Guide 102	<u>Year</u> -	<u>Title</u> Electronic components - Specification structures for quality assessment (Qualification approval and capability approval)	<u>EN/HD</u> -	<u>Year</u> -
IECQ QC 001002-3	-	IEC Quality Assessment System for Electronic Components (IECQ) - Rules of Procedure - Part 3: Approval procedures	ic-	-
ISO 129	-	Technical drawings - Dimensioning - General principles, definitions, methods of execution and special indications	l -	-
ISO 286-1	-	ISO system of limits and fits - Part 1: Bases of tolerances, deviations and fi	EN ISO 286-1 ts	-
ISO 1101	-	Geometrical Product Specifications (GPS) - Geometrical tolerancing - Tolerances of form orientation, location and run-out	EN ISO 1101 ,	-
ISO 8601	-	Data elements and interchange formats - Information interchange - Representation of dates and times	-	-

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Dispositifs d'interconnexion et composants/passifs à fibres optiques – Systèmes d'éclatement pour fibres optiques 14-1-2012 Partie 1: Spécification générique

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – FIBRE OPTIC FAN-OUTS –

Part 1: Generic specification

FOREWORD

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International Standard IEC 61314-1 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

This fourth edition cancels and replaces the third edition published in 2009 and constitutes a technical revision.

The specific technical changes from the previous edition are to reconsider a drawing showing the relationship between IEC 60874, IEC 61753, IEC 61754 series of standards, and updating the normative references.

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

FDIS	Report on voting
86B/3270/FDIS	86B/3300/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.

A list of all parts of IEC 61314 series, under the general title *Fibre optic interconnecting devices and passive components – Fibre optic fan-outs* can be found on the IEC website.

Future standards in this series will carry the general new title as cited above. Titles of existing standards in this series will be updated at the time of the new edition.

The committee has decided that the contents of this publication will remain unchanged until the stability 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 ANDARD PREVIEW
- amended.

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FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – FIBRE OPTIC FAN-OUTS –

Part 1: Generic specification

1 Scope

This part of IEC 61314 specifies requirements for fan-outs used in the fibre optics field to provide a safe transition from multifibre cable units to individual fibres or cables.

This standard corresponds to QC880000 of IEC Quality Assessment System.

This standard does not cover test and measurement procedures, which are described in IEC 61300 series.

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.

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

IEC 60050-731, International Electrotechnical Vocabulary — Chapter 731: Optical fibre communication

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 60793-1-1, Optical fibres – Part 1-1: Measurement methods and test procedures – General and guidance

IEC 60794-1-1, Optical fibre cables – Part 1-1: Generic specification – General

IEC 60825-1, Safety of laser products – Part 1: Equipment classification and requirements

IEC 60869-1, Fibre optic attenuators – Part 1: Generic specification

IEC 60874-1, Connectors for optical fibres and cables – Part 1: Generic specification

IEC 61073-1, Fibre optic interconnecting devices and passive components – Mechanical splices and fusion splice protectors for optical fibres and cables – Part 1: Generic specification

IEC 61300 (all parts), Fibre optic interconnecting devices and passive components

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