SLOVENSKI STANDARD
SIST EN ISO 11149:2000

01-januar-2000

Optika in optiļ ni instrumenti ï Laserji in laserska oprema ï Priključ ki za optiļ na vlakna za netelekomunikacijsko uporabo laserja (ISO 11149:1997)

Optics and optical instruments - Lasers and laser-related equipment - Fibre optic connectors for non-telecommunication laser applications (ISO 11149:1997)

Optik und optische Instrumente - Laser und Laseranlagen - Faseroptik-Steckverbinder für Laseranwendungen außerhalb der Telekommunikation (ISO 11149:1997)

Optique et instruments d'optique - Lasers et équipements associés aux lasers - Connecteurs pour fibres optiques pour les applications laser autres que télécommunication (ISO 11149:1997)

Ta slovenski standard je istoveten z: **EN ISO 11149:1997**

ICS:

31.260	Optoelektronika, laserska oprema	Optoelectronics. Laser equipment

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EUROPEAN STANDARD

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EN ISO 11149

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Descriptors: see ISO document

English version

Optics and optical instruments - Lasers and laser-related equipment - Fibre optic connectors for non-telecommunication laser applications (ISO 11149:1997)

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This European Standard was approved by CEN on 1997-03-26. CEN 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 CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

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

Central Secretariat: rue de Stassart,36 B-1050 Brussels

Foreword

The text of the International Standard ISO 11149:1997 has been prepared by Technical Committee ISO/TC 172 "Optics and optical instruments" in collaboration with Technical Committee CEN/TC 123 "Lasers and laser related equipment", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 1997, and conflicting national standards shall be withdrawn at the latest by November 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 11149:1997 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

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.

publication/year	title	EN/year
ISO 11145:1994	Optics and optical instruments - Lasers and laser related equipment - Vocabulary and symbols	EN ISO 11145:1994
ISO 11252:1993	Lasers and laser related equipment - Laser device - Minimum requirements for documentation	EN 31252:1994
IEC 825-1:1993	Safety of laser products - Part 1: Equipment classification, requirements and user's guide	EN 60825-1:1994

INTERNATIONAL STANDARD

ISO 11149

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Optics and optical instruments — Lasers and laser-related equipment — Fibre optic connectors for non-telecommunication laser applications

Optique et instruments d'optique — Lasers et équipements associés aux lasers — Connecteurs pour fibres optiques pour les applications laser autres que télécommunication

Reference number
ISO 11149:1997(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 11149 was prepared by Technical Committee ISO/TC 172, *Optics and optical instruments*, Subcommittee SC 9, *Electro-optical systems.*

Annex A of this International Standard is for information only.

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Optics and optical instruments – Lasers and laser-related equipment – Fibre optic connectors for non-telecommunication laser applications

1 Scope

This International Standard specifies the information to be provided by a supplier of connectors between laser devices and optical fibre and optical cable assemblies. It also specifies requirements for

a) minimum documentation to be supplied by suppliers of fibre optic connectors and assemblies to ensure a correct coupling, and

b) minimum documentation to be supplied by laser device suppliers when the output of the laser device is through a fibre connector.

This International Standard does not apply to connectors used for telecommunications.

2 Normative references

The following standards contain provisions which, through reference in the text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent of the standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 11145:1994, *Optics and optical instruments — Lasers and laser-related equipment — Vocabulary and symbols.*

ISO 11252:1993, *Lasers and laser-related equipment — Laser device — Minimum requirements for documentation.*

IEC 874-1:1993, *Connectors for optical fibres and cables — Part 1: Generic specification.*

3 Definitions

For the purposes of this International Standard, the definitions given in IEC 874-1 and ISO 11145 apply.

4 Requirements

4.1 Documentation from connector supplier

The documentation listed in table 1 shall be provided by the suppliers of the fibre optic connectors and of the fibre optic assemblies, respectively.