SLOVENSKI STANDARD
SIST EN 61754-16:2002

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Fibre optic connector for interfaces - Part 16: Type PN connector family (IEC 61754 -16:1999)

Fibre optic connector interfaces -- Part 16: Type PN connector family

Steckgesichter von Lichtwellenleiter-Steckverbindern -- Teil 16: Bauart PN Steckverbinderfamilie

Interfaces de connecteurs pour fibres optiques -- Partie 16: Famille de connecteurs de type PN

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ICS:

33.180.20	Povezovalne naprave za optiļ na vlakna	Fibre optic interconnecting devices

SIST EN 61754-16:2002 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61754-16

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ICS 33.180.20

English version

Fibre optic connector interfaces
Part 16: Type PN connector family
(IEC 61754-16:1999)

Interfaces de connecteurs pour fibres optiques
Partie 16: Famille de connecteurs de type PN
(CEI 61754-16:1999)

Steckgesichter von Lichtwellenleiter-Steckverbindern
Teil 16: Bauart PN Steckverbinderfamilie
(IEC 61754-16:1999)

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

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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

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Foreword

The text of document 86B/1245/FDIS, future edition 1 of IEC 61754-16, 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 61754-16 on 2000-01-01.

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) 2000-10-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2003-01-01

Endorsement notice

The text of the International Standard IEC 61754-16:1999 was approved by CENELEC as a European Standard without any modification.

NORME INTERNATIONALE

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Interfaces de connecteurs pour fibres optiques –

Partie 16: Famille de connecteurs de type PN

Fibre optic connector interfaces –

Part 16: Type PN connector family

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FIBRE OPTIC CONNECTOR INTERFACES –

Part 16: Type PN connector family

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.
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International Standard IEC 61754-16 has been prepared by sub-committee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

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

FDIS	Report on voting
86B/1245/FDIS	86B/1279/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.

The committee has decided that the contents of this publication will remain unchanged until 2005. At this date, the publication will be

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

FIBRE OPTIC CONNECTOR INTERFACES –

Part 16: Type PN connector family

1 Scope

This part of IEC 61754 defines the standard interface dimensions for type PN family of connectors.

2 Description

The parent connector for type PN connector family is a duplex plug connector which is characterized by a 10,16 mm pitch, and a 2,5 mm nominal ferrule diameter. It includes two types of plugs, PN-I and PN-II. PN-I is a high precison type which has floating ferrules with springs. PN-II is a low-cost type, variant of PN-I, which has fixed ferrules, no springs, incorporating a one piece body. Both plugs are mechanically compatible with both the adaptor or the socket.

3 Interfaces

This standard contains the following standard interfaces:

– interface 16-1: (duplex) plug PN-I connector interface
– interface 16-2: (duplex) plug PN-II connector interface
– interface 16-3: (duplex) adaptor connector interface
– interface 16-4: (duplex) socket (receptacle) connector interface

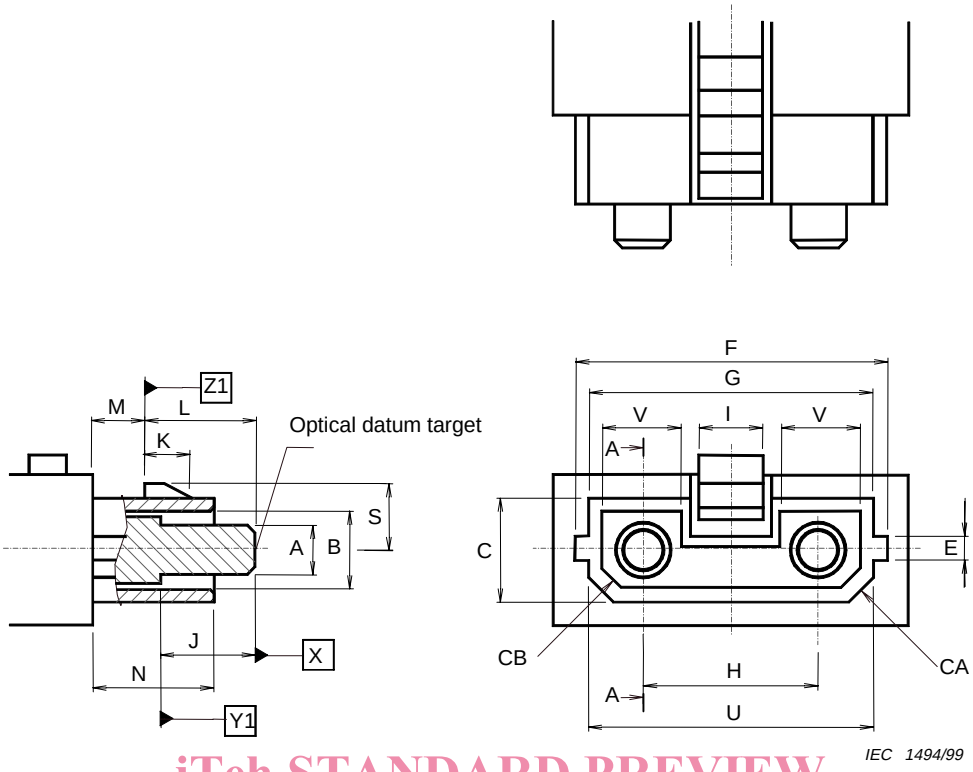

Figure 1 – Plug PN-I connector interface