



SLOVENSKI STANDARD

SIST EN 61754-2:1997

01-december-1997

Fibre optic connector interfaces - Part 2: Type BFOC/2,5 connector family (IEC 1754-2:1996)

Fibre optic connector interfaces -- Part 2: Type BFOC/2,5 connector family

Steckgesichter von Lichtwellenleiter-Steckverbindern -- Teil 2: Bauart BFOC/2,5 Steckverbinderfamilie

Interfaces de connecteurs pour fibres optiques -- Partie 2: Famille de connecteurs de type BFOC/2,5

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Ta slovenski standard je istoveten z: EN 61754-2:1997

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ICS:

33.180.20	Povezovalne naprave za optična vlakna	Fibre optic interconnecting devices
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ICS 33.180.20

Descriptors: Optic connector, type BFOC/2,5

English version

Fibre optic connector interfaces
Part 2: Type BFOC/2,5 connector family
(IEC 1754-2:1996)

Interfaces de connecteurs pour
fibres optiques
Partie 2: Famille de connecteurs
de type BFOC/2,5
(CEI 1754-2:1996)

LWL-Steckverbinder
Teil 2: Typ BFOC/2,5
Steckverbinderfamilie
(IEC 1754-2:1996)

SIST EN 61754-2:1997

This European Standard was approved by CENELEC on 1996-12-09. 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/824/FDIS, future edition 1 of IEC 1754-2, 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 61754-2 on 1996-12-09.

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) 1997-09-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 1997-09-01

Endorsement notice

The text of the International Standard IEC 1754-2:1996 was approved by CENELEC as a European Standard without any modification.

SIST EN 61754-2:1997

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

1754-2

Première édition
First edition
1996-12

Interfaces de connecteurs pour fibres optiques –

**Partie 2:
Famille de connecteurs de type BFOC/2,5**

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Fibre optic connector interfaces –
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**Part 2:
Type BFOC/2,5 connector family**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC CONNECTOR INTERFACES –
Part 2: Type BFOC/2,5 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.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
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International Standard IEC 1754-2 has been prepared by subcommittee 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/824/FDIS	86B/914/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.

FIBRE OPTIC CONNECTOR INTERFACES – Part 2: Type BFOC/2,5 connector family

1 Scope

This part of IEC 1754 defines the standard interface dimensions for type BFOC/2,5 family of connectors.

2 Description

The parent connector for type BFOC/2,5 connector family is a single position plug connector which is characterized by a 2,5 mm nominal ferrule diameter. It includes a bayonet coupling nut and a ferrule spring loaded in the direction of the optical axis. The plug has a single male key which may be used to orient and limit the relative rotation between the connector and the component to which it is mated.

3 Interfaces

This standard contains the following standard interfaces:

Interface 2-1: Plug connector interface – Bayonet coupling

Interface 2-2: Adaptor interface – Bayonet coupling

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The following interfaces are intermateable:

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Interface 2-1 mates with interface 2-2.

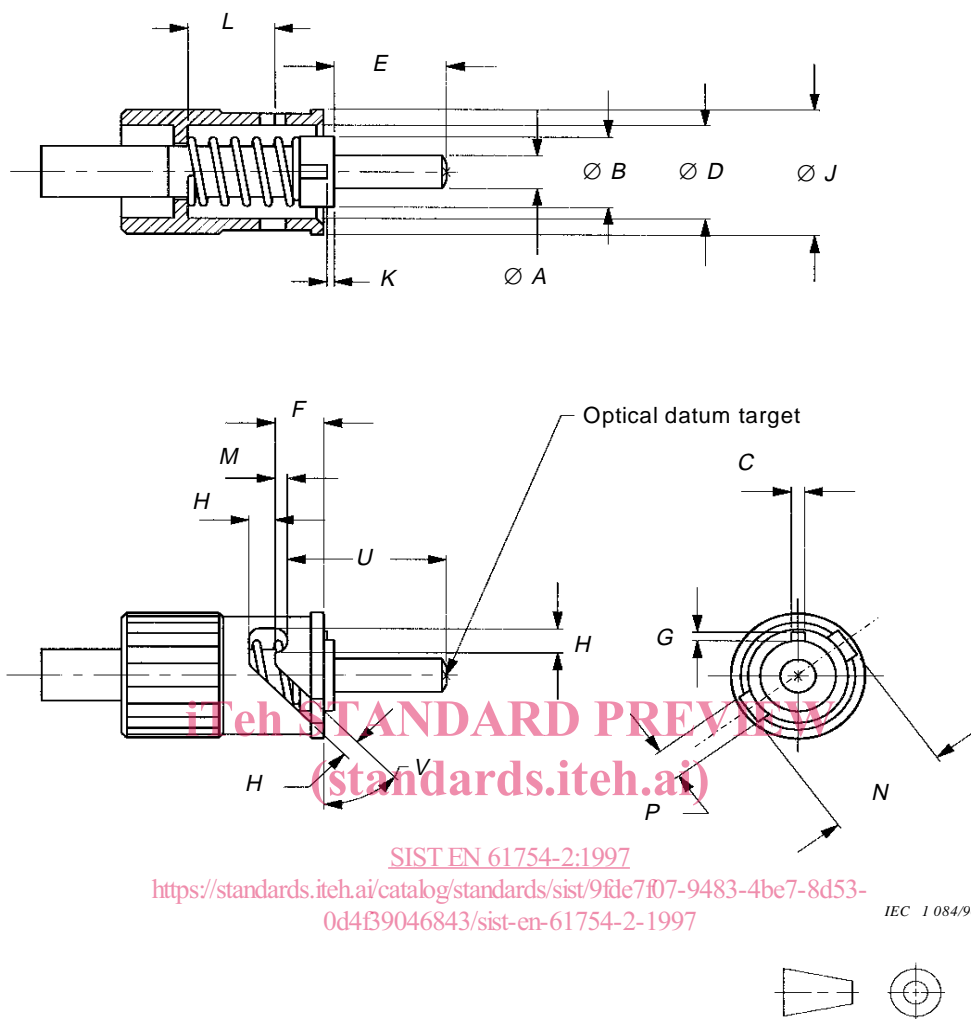


Figure 1a – Plug connector interface