

Spojni vmesniki za optična vlakna – 3. del: Družina konektorjev tipa LSA (IEC 61754-3:1996, prirejen)*

Fibre optic connector interfaces - Part 3: Type LSA connector family (IEC 61754-3:1996, modified)

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EUROPEAN STANDARD

EN 61754-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2002

ICS 33.180.20

English version

Fibre optic connector interfaces
Part 3: Type LSA connector family
(IEC 61754-3:1996, modified)

Interfaces de connecteurs
pour fibres optiques
Partie 3: Famille de connecteurs
de type LSA
(CEI 61754-3:1996, modifiée)

Steckgesichter von
Lichtwellenleiter-Steckverbindern
Teil 3: Steckverbinderfamilie
der Bauart LSA
(IEC 61754-3:1996, modifiziert)

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This European Standard was approved by CENELEC on 2002-04-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and 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

Foreword

The text of the International Standard IEC 61754-3:1996, prepared by SC 86B, Fibre optic interconnecting devices and passive components, of IEC TC 86, Fibre optics, together with the common modifications prepared by the Technical Committee CENELEC TC 86BXA, Fibre optic interconnect, passive and connectorised components, was submitted to the formal vote and was approved by CENELEC as EN 61754-3 on 2002-04-01.

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) 2003-04-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2005-04-01

Endorsement notice

The text of the International Standard IEC 61754-3:1996 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

In Table 1a, **replace** the contents of the 5th column of Reference C by “2 & 3”.

In Table 1b, **add** a 3rd note:

3 The minimum value of 11,8 refers to the compressed state and the maximum value of 12,4 refers to the uncompressed state.

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**Fibre optic connector interfaces –
Part 3:
Type LSA connector family**

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*Interfaces de connecteurs
pour fibres optiques –
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*Partie 3:
SIST EN 61754-3:2004
Famille de connecteurs de type LSA*
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Bureau central de la Commission Electrotechnique Internationale 3, rue de Varembe Genève Suisse



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC CONNECTOR INTERFACES –
Part 3: Type LSA 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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- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 1754-3 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/834/FDIS	86B/924/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 3: Type LSA connector family

1 Scope

This part of IEC 1754 defines the standard interface dimensions for type LSA family of connectors.

2 Description

The parent connector for type LSA connector family is a single position plug connector which is characterized by a 2,5 mm nominal ferrule diameter. It includes a screw coupling nut and a ferrule spring load 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

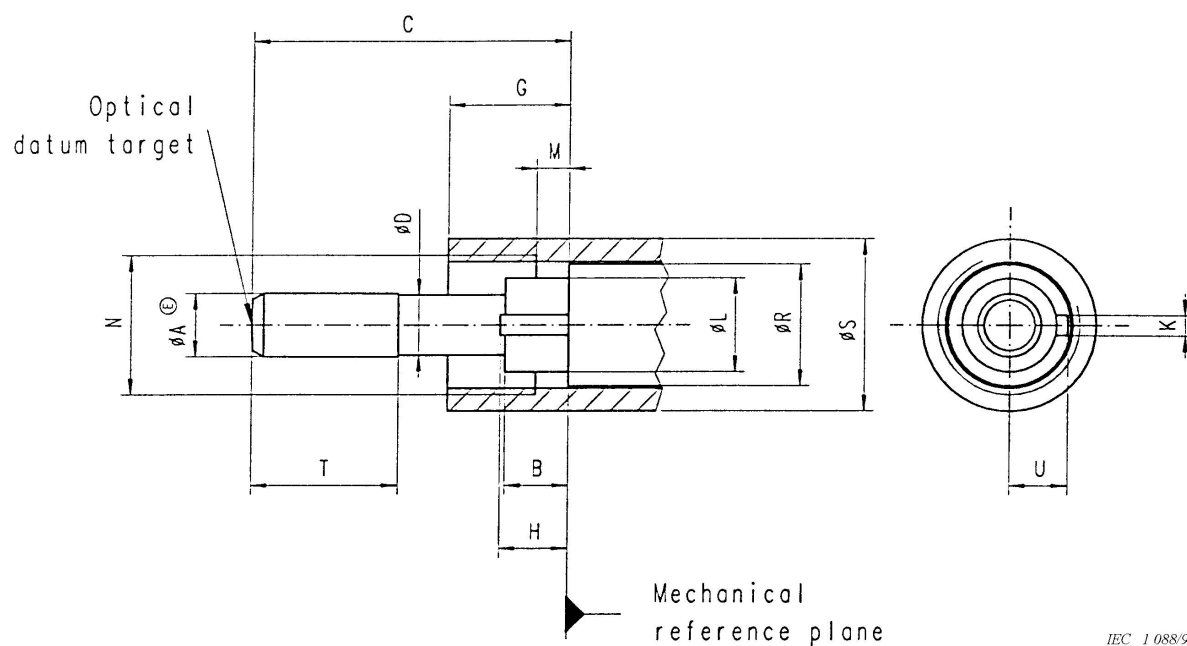
This standard contains the following standard interfaces:

Interface 3-1: Plug connector interface – Screw coupling

Interface 3-2: Adaptor connector interface – Screw coupling

Interface 3-1 mates with interface 3-2.

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IEC 1088/96

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Figure 1 – Dimensions of the plug connector interface
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