

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 15: Type LSH connector family

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NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 61754-15:2009 sisaldab Euroopa standardi EN 61754-15:2009 ingliskeelset teksti.</p> <p>Standard on kinnitatud Eesti Standardikeskuse 30.10.2009 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 02.09.2009.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 61754-15:2009 consists of the English text of the European standard EN 61754-15:2009.</p> <p>This standard is ratified with the order of Estonian Centre for Standardisation dated 30.10.2009 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.</p> <p>Date of Availability of the European standard text 02.09.2009.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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English version

**Fibre optic interconnecting devices and passive components -
Fibre optic connector interfaces -
Part 15: Type LSH connector family
(IEC 61754-15:2009)**

Dispositifs d'interconnexion
et composants passifs à fibres optiques -
Interfaces de connecteurs
pour fibres optiques -
Partie 15: Famille de connecteurs
de type LSH
(CEI 61754-15:2009)

Lichtwellenleiter -
Verbindungselemente
und passive Bauteile -
Steckgesichter
von Lichtwellenleiter-Steckverbindern -
Teil 15: Steckverbinderfamilie
der Bauart LSH
(IEC 61754-15:2009)

This European Standard was approved by CENELEC on 2009-07-01. 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.

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CENELEC

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

Central Secretariat: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 86B/2835/FDIS, future edition 2 of IEC 61754-15, 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 61754-15 on 2009-07-01.

This European Standard supersedes EN 61754-15:2001 and CECC 86 275-801:1999.

The main changes with regard to EN 61754-15:2001 are to reconsider the figures and the dimensions of the interface.

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) 2010-04-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2010-07-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61754-15:2009 was approved by CENELEC as a European Standard without any modification.

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Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

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.

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>	<u>EN/HD</u>	<u>Year</u>
IEC 61755-3 (mod)	Series	Fibre optic connector optical interfaces - Part 3: Optical interface	EN 61755-3	Series
ISO 8015	- ¹⁾	Technical drawings - Fundamental tolerancing principle	-	-

¹⁾ Undated reference.

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FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – FIBRE OPTIC CONNECTOR INTERFACES –

Part 15: Type LSH connector family

1 Scope

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

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 61755-3 (all parts), *Fibre optic connector optical interface – Part 3: Optical interface*

ISO 8015, *Technical drawings – Fundamental tolerancing principle*

3 Description

The parent connector for the type LSH connector family is a single-position plug connector which is characterized by a 2,5 mm nominal ferrule diameter. It includes a push-click-pull coupling mechanism, which is spring-loaded relative to the ferrule in the direction of the optical axis. The optical alignment mechanism of the connectors is a rigid bore sleeve or a resilient sleeve style.

4 Interfaces

The pages that follow define the standard interfaces for the type LSH connector family.

This standard contains the following standard interfaces:

- Interface 61754-15-1 Simplex plug connector PC-interface
- Interface 61754-15-2 Simplex adaptor interface
- Interface 61754-15-3 Duplex plug connector PC-interface
- Interface 61754-15-4 Duplex adaptor interface
- Interface 61754-15-5 Simplex plug connector interface – APC 8°
- Interface 61754-15-6 Duplex plug connector interface – APC 8°
- Interface 61754-15-7 Active device interface

The following standards are intermateable.