

Fibre optic connector interfaces —

Part 23: Type LX.5 connector family

The European Standard EN 61754-23:2005 has the status of a
British Standard

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National foreword

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Summary of pages

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Fibre optic connector interfaces
Part 23: Type LX.5 connector family
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Interfaces de connecteurs
pour fibres optiques
Partie 23: Famille de connecteurs
de type LX.5
(CEI 61754-23:2005)

Steckgesichter von Lichtwellenleiter-
Steckverbindern
Teil 23: Steckverbinderfamilie
der Bauart LX.5
(IEC 61754-23:2005)

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CENELEC

European Committee for Electrotechnical Standardization
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Foreword

The text of document 86B/2108/FDIS, future edition 1 of IEC 61754-23, 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 61754-23 on 2005-07-01.

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- | | | |
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| – latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement | (dop) | 2006-04-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2008-07-01 |

Endorsement notice

The text of the International Standard IEC 61754-23:2005 was approved by CENELEC as a European Standard without any modification.

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FIBRE OPTIC CONNECTOR INTERFACES –

Part 23: Type LX.5 connector family

1 Scope

This part of IEC 61754 defines the standard interface dimensions for the type LX.5 family of connectors.

2 Description

The parent connector for the type LX.5 connector family is a single position plug connector set of plug/adaptor configuration which is characterized by a 1,25 mm nominal diameter ferrule. The connector includes a single coupling latch 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 position between the connector and the component to which it is mated. The optical alignment mechanism of the connectors is of a resilient sleeve style.

3 Interfaces

The subsequent pages define the standard interfaces for the type LX.5 connector family. This document contains the following standard interfaces.

Interface 23-1: Simplex plug connector interface – PC

Interface 23-2: Simplex adaptor connector interface

Interface 23-3: Duplex plug connector interface – PC

Interface 23-4: Duplex adaptor connector interface

Interface 23-5: Simplex plug connector interface – APC 8°

Interface 23-6: duplex plug connector interface – APC 8°

The following plugs and adaptors are intermateable.

Plugs (polishing condition)	Adaptors Interfaces	
	61754-23-2	61754-23-4
Interface 23-1	Mate	Mate
Interface 23-3	Not mate	Mate
Interface 23-5	Mate	Mate
Interface 23-6	Not mate	Mate

Plugs (polishing condition)	Adaptors interfaces			
	61754-23-1	61754-23-3	61754-23-5	61754-23-6
Interface 23-1	Mate	Mate	Not mate	Not mate
Interface 23-3	Mate	Mate	Not mate	Not mate
Interface 23-5	Not mate	Not mate	Mate	Mate
Interface 23-6	Not mate	Not mate	Mate	Mate