IEC 61754-32

Edition 1.0 2016-09

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces –
Part 32: Type DiaLink connector family

Dispositifs d'interconnexion et composants passifs fibroniques – Interfaces de connecteurs fibroniques –
Partie 32: Famille de connecteurs de type DiaLink

IEC 61754-32:2016-09 (en-fr)

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

Part 32: Type DiaLink connector family

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International Standard IEC 61754-32 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/4005/FDIS	86B/4021/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 2.

A list of all the parts in the IEC 61754 series, published under the general title *Fibre optic interconnecting devices and passive components – Fibre-optic connector interfaces*, can be found on the IEC website.

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INTRODUCTION

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

Part 32: Type DiaLink connector family

1 Scope

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

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

There are no normative references in this document.

3 Description

The parent connector for the type DiaLink connector family is a simplex connector which is characterized by a 1,25 mm nominal ferrule diameter. It includes a push-pull coupling mechanism, which is spring-loaded relative to the ferrule in the direction of the optical axis. To provide adequate contact force, one of the parts containing the ferrule is spring-loaded. The other part contains a fixed ferrule. The optical alignment mechanism of the connectors is a resilient sleeve style and is attached directly to the fixed ferrule interface.

Drawings and dimensions provided consist of those minimum features that are functionally critical during the mating and unmating sequences of counterpart components.

4 Interfaces

This document defines the standard interfaces for the type DiaLink connector family.

This document contains the following standard interfaces:

IEC 61754-32-1 Fixed ferrule plug connector PC-interface (plug connector)

IEC 61754-32-2 Spring-loaded ferrule plug connector PC-interface (socket connector)

IEC 61754-32-3 Fixed ferrule plug connector interface – APC 8° (plug connector)

IEC 61754-32-4 Spring-loaded ferrule plug connector interface – APC 8° (socket connector)

The document interfaces given in Table 1 are intermateable.