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Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces -- Part 29: Type BLINK connector series for Category C. Controlled environment (IEC 61754-29:2012)

Lichtwellenleiter - Verbindungselemente und passive Bauteile - Steckgesichter von Lichtwellenleiter-Steckverbindern - Teil 29: Steckverbinderfamilie der Bauart BLINK (IEC 61754-29:2012)

Dispositifs d'interconnexion et composants passifs à fibres optiques - Interfaces de connecteurs pour fibres optiques - Partie 29: Série de connecteurs de type BLINK (CEI 61754-29:2012)

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EUROPEAN STANDARD
NORME EUROPÉENNE
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**Fibre optic interconnecting devices and passive components -
Fibre optic connector interfaces -
Part 29: Type BLINK connector series
(IEC 61754-29:2012)**

Dispositifs d'interconnexion et composants
passifs à fibres optiques -
Interfaces de connecteurs pour fibres
optiques -
Partie 29: Série de connecteurs de type
BLINK
(CEI 61754-29:2012)

Lichtwellenleiter -
Verbindungselemente und passive
Bauteile -
Steckgesichter von Lichtwellenleiter-
Steckverbindern -
Teil 29: Steckverbinderfamilie der Bauart
BLINK
(IEC 61754-29:2012)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

The text of document 86B/3369/FDIS, future edition 1 of IEC 61754-29, 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 approved by CENELEC as EN 61754-29:2012.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 60794-2-50	-	Optical fibre cables - Part 2-50: Indoor cables - Family specification for simplex and duplex cables for use in terminated cable assemblies	EN 60794-2-50	-
IEC 61754-1	-	Fibre optic connector interfaces - Part 1: General and guidance	EN 61754-1	-
IEC 61755-3	Series	Fibre optic interconnecting devices and passive components - Fibre optic connector optical interfaces	EN 61755-3	Series

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**Fibre optic interconnecting devices and passive components –
Fibre optic connector interfaces –
Part 29: Type BLINK connector series**

**Dispositifs d'interconnexion et composants passifs à fibres optiques –
Interfaces de connecteurs pour fibres optiques –
Partie 29: Série de connecteurs de type BLINK**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

Part 29: Type BLINK connector series

FOREWORD

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International Standard IEC 61754-29 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/3369/FDIS	86B/3416/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.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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INTRODUCTION

The International Electrotechnical Commission (IEC) draws attention to the fact that it is claimed that compliance with this document may involve the use of a patent concerning IEC 61754-29.

IEC takes no position concerning the evidence, validity and scope of this patent right.

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

Part 29: Type BLINK connector series

1 Scope

This part of IEC 61754 defines the standard interface dimensions for the type BLINK series of connectors.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60794-2-50, *Optical fibre cables – Part 2-50: Indoor cables – Family specification for simplex and duplex cables for use in terminated cable assemblies*

IEC 61754-1, *Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 1: General and guidance*

[SIST EN 61754-29:2012](https://standards.iteh.ai/catalog/standards/sist/54a813e-c825-4157-b21b-884b197b7ef/sist-en-61754-29-2012)

IEC 61755-3 (all parts), *Fibre optic interconnecting devices and passive components – Fibre optic connector optical interfaces*

3 Description

The parent connector for the type BLINK connector family is a single position plug connector set of plug/adaptor/plug configuration which is characterized by a 1,25 mm nominal diameter ferrule. The connector includes a ferrule spring loaded in the direction of the optical axis. The optical alignment mechanism of the connection is of a resilient sleeve style.

4 Interfaces

The general requirements defined in IEC 61754-1 are valid for this standard.

Clauses 4 to 8 define the standard interfaces for the type BLINK connector series. The standard interfaces contained in this document are listed in the following:

INTERFACE 29-1: Simplex Plug Connector Interface – PC

INTERFACE 29-2: Simplex Adaptor Interface

INTERFACE 29-3: Duplex Plug Connector Interface – PC

INTERFACE 29-4: Duplex Adaptor Interface

INTERFACE 29-5: Simplex Plug Connector Interface – APC 8°

INTERFACE 29-6: Duplex Plug Connector Interface – APC 8°

The following plugs and adaptors shown in Table 1 and Table 2 are intermateable.