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| STN | Optovláknové spájacie prvky a pasívne súčiastky Rozhrania optických konektorov Časť 37: Skupina konektorov typu MDC | STN EN IEC 61754-37 35 9244 |
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Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 37: Type MDC connector family

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 02/26

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EUROPEAN STANDARD

EN IEC 61754-37

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2025

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English Version

Fibre optic interconnecting devices and passive components -
Fibre optic connector interfaces - Part 37: Type MDC connector
family
(IEC 61754-37:2025)

Dispositifs d'interconnexion et composants passifs
fibroniques - Interfaces de connecteurs fibroniques - Partie
37: Famille de connecteurs de type MDC
(IEC 61754-37:2025)

Lichtwellenleiter-Verbindungselemente und passive
Bauteile - Steckgesichter von Lichtwellenleiter-
Steckverbindern - Teil 37: Steckverbinderfamilie Typ MDC
(IEC 61754-37:2025)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 61754-37:2025 (E)**European foreword**

The text of document 86B/5088/FDIS, future edition 1 of IEC 61754-37, 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 IEC 61754-37:2025.

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In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 61754-4 NOTE Approved as EN IEC 61754-4

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cencenelec.eu.

| <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 IEC 60794-2-50 | - |
| IEC 61754-1 | - | Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 1: General and guidance | EN 61754-1 | - |
| IEC 61755-3-1 | - | Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 3-1: Connector parameters of dispersion unshifted single-mode physically contacting fibres - Non-angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules | EN IEC 61755-3-1 | - |
| IEC 61755-3-2 | - | Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 3-2: Connector parameters of dispersion unshifted single-mode physically contacting fibres - Angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules | EN IEC 61755-3-2 | - |
| IEC 63267 | series | Fibre optic interconnecting devices and passive components - Fibre optic connector optical interfaces | EN IEC 63267 | series |



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INTERNATIONAL STANDARD

**Fibre optic interconnecting devices and passive components - Fibre optic
connector interfaces -
Part 37: Type MDC connector family**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**Fibre optic interconnecting devices and passive components -
Fibre optic connector interfaces -
Part 37: Type MDC connector family**

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The text of this International Standard is based on the following documents:

| | |
|---------------|------------------|
| Draft | Report on voting |
| 86B/5088/FDIS | 86B/5120/RVD |

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

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This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all 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.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

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1 Scope

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

2 Normative references

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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*

IEC 61755-3-1, *Fibre optic connector optical interfaces - Part 3-1: Optical interface, 2,5 mm and 1,25 mm diameter cylindrical full zirconia PC ferrule, single mode fibre*

IEC 61755-3-2, *Fibre optic connector optical interfaces - Part 3-2: Optical interface, 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules for 8 degrees angled-PC single mode fibres*

IEC 63267 (all parts), *Fibre optic interconnecting devices and passive components - Fibre optic connector optical interfaces*

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