
Optični spojni elementi in pasivne komponente - Vmesniki optičnih konektorjev za izboljšana mnogorodovna optična vlakna zaradi upogibanja - 1. del: Optični vmesniki za vlakna s premerom jedra 50 µm - Splošno in navodila (IEC 63267-1:2023)

Fibre optic interconnecting devices and passive components - Connector optical interfaces for enhanced macro bend loss multimode fibres - Part 1: Optical interfaces for 50 µm core diameter fibres - General and guidance (IEC 63267-1:2023)

Lichtwellenleiter - Verbindungselemente und passive Bauteile - Optische Schnittstellen für Steckverbinder - Teil 1: Optische Schnittstellen für Mehrmodenfasern - Allgemeines und Leitlinien (IEC 63267-1:2023)

Dispositifs d'interconnexion et composants passifs fibroniques – Interfaces optiques de connecteurs fibroniques - Partie 1: Fibres multimodales de diamètre de coeur de 50 µm à performances améliorées en matière de pertes par macrocourbures – Généralités et recommandations (IEC 63267-1:2023)

Ta slovenski standard je istoveten z: EN IEC 63267-1:2023

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33.180.20	Povezovalne naprave za optična vlakna	Fibre optic interconnecting devices
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EUROPEAN STANDARD

EN IEC 63267-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2023

ICS 33.180.10

English Version

Fibre optic interconnecting devices and passive components -
Fibre optic connector optical interfaces - Part 1: Enhanced
macro bend loss multimode 50 μm core diameter fibres -
General and guidance
(IEC 63267-1:2023)

Dispositifs d'interconnexion et composants passifs
fibroniques - Interfaces optiques de connecteurs fibroniques
- Partie 1: Fibres multimodales de diamètre de coeur de 50
 μm à performances améliorées en matière de pertes par
macrocourbures - Généralités et recommandations
(IEC 63267-1:2023)

Lichtwellenleiter - Verbindungselemente und passive
Bauteile - Optische Schnittstellen für Steckverbinder - Teil
1: Verbessertes Makro-Biegeverlust bei Mehrmodenfasern
mit 50 μm Kerndurchmesser - Allgemeines und Leitlinien
(IEC 63267-1:2023)

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

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

EN IEC 63267-1:2023 (E)**European foreword**

The text of document 86B/4657/FDIS, future edition 1 of IEC 63267-1, 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 63267-1:2023.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2024-03-15
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In the official version, for Bibliography, the following notes have to be added for the standard indicated:

- IEC 60793-2-10 NOTE Approved as EN IEC 60793-2-10
- IEC 61280-4-1 NOTE Approved as EN IEC 61280-4-1
- IEC 61300-1:2022 NOTE Approved as EN IEC 61300-1:2022 (not modified)
- IEC 61300-2 (series) NOTE Approved as EN 61300-2 (series)
- IEC 61300-3 (series) NOTE Approved as EN 61300-3 (series)
- IEC 61753 (series) NOTE Approved as EN 61753 (series)
- IEC 61753-1 NOTE Approved as EN IEC 61753-1
- IEC 61754 (series) NOTE Approved as EN 61754 (series)
- IEC 61755-1:2005 NOTE Approved as EN 61755-1:2006 (not modified)

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 61280-1-4	-	Fibre optic communication subsystem test procedures - Part 1-4: General communication subsystems - Light source encircled flux measurement method	EN IEC 61280-1-4	-
IEC 61300	series	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures	EN IEC 61300	series
IEC 61300-3-6	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-6: Examinations and measurements - Return loss	EN 61300-3-6	-
IEC 61300-3-34	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-34: Examinations and measurements - Attenuation of random mated connectors	EN 61300-3-34	-
IEC 61300-3-45	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-45: Examinations and measurements - Attenuation of random mated multi-fibre connectors	EN 61300-3-45	-
IEC 63267	series	Fibre optic interconnecting devices and passive components - Fibre optic connector optical interfaces	EN IEC 63267	series



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NORME INTERNATIONALE

**Fibre optic interconnecting devices and passive components – fibre optic connector optical interfaces –
Part 1: Enhanced macro bend loss multimode 50 μm core diameter fibres –
General and guidance**

**Dispositifs d'interconnexion et composants passifs fibroniques – Interfaces optiques de connecteurs fibroniques –
Partie 1: Fibres multimodales de diamètre de cœur de 50 μm à performances améliorées en matière de pertes par macrocourbures – Généralités et recommandations**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – FIBRE OPTIC CONNECTOR OPTICAL INTERFACES –**Part 1: Enhanced macro bend loss multimode 50 µm core diameter fibres – General and guidance**

FOREWORD

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IEC 63267-1 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics. It is an International Standard.

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

Draft	Report on voting
86B/4657/FDIS	86B/4676/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.

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/standardsdev/publications.

A list of all parts of the IEC 63267 series, under the general title *Fibre optic interconnecting devices and passive components – Fibre optic connector optical 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,
- replaced by a revised edition, or
- amended.

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