



SLOVENSKI STANDARD SIST EN IEC 61978-1:2024

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Optični spojni elementi in pasivne komponente - Optični pasivni kompenzatorji barvne razpršenosti - 1. del: Splošna specifikacija (IEC 61978-1:2024)

Fibre optic interconnecting devices and passive components - Fibre optic passive chromatic dispersion compensators - Part 1: Generic specification (IEC 61978-1:2024)

Lichtwellenleiter - Verbindungselemente und passive Bauteile - Passive Lichtwellenleiter - Kompensatoren mit chromatischer Dispersion - Teil 1: Fachgrundspezifikation (IEC 61978-1:2024)

Dispositifs d'interconnexion et composants passifs à fibres optiques - Compensateurs de dispersion chromatique passifs à fibres optiques - Partie 1: Spécification générique (IEC 61978-1:2024)

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ICS:

33.180.20	Povezovalne naprave za optična vlakna	Fibre optic interconnecting devices
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NORME EUROPÉENNE
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EN IEC 61978-1

May 2024

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Supersedes EN 61978-1:2014

English Version

**Fibre optic interconnecting devices and passive components -
Fibre optic passive chromatic dispersion compensators - Part 1:
Generic specification
(IEC 61978-1:2024)**

Dispositifs d'interconnexion et composants passifs
fibroniques - Compensateurs de dispersion chromatique
passifs fibroniques - Partie 1 : Spécification générique
(IEC 61978-1:2024)

Lichtwellenleiter - Verbindungselemente und passive
Bauteile - Passive Lichtwellenleiter - Kompensatoren mit
chromatischer Dispersion - Teil 1: Fachgrundspezifikation
(IEC 61978-1:2024)

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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 61978-1:2024 (E)**European foreword**

The text of document 86B/4866/FDIS, future edition 4 of IEC 61978-1, 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 61978-1:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2025-02-20 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2025-05-20 document have to be withdrawn

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In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 60068 series	NOTE	Approved as EN 60068 series
IEC 60695-11-5	NOTE	Approved as EN 60695-11-5
IEC 60793-2-50	NOTE	Approved as EN IEC 60793-2-50
IEC 60869-1	NOTE	Approved as EN IEC 60869-1
IEC 60974 series	NOTE	Approved as EN IEC 60974 series
IEC 61073-1	NOTE	Approved as EN 61073-1
IEC 61300-1	NOTE	Approved as EN IEC 61300-1
IEC 61300-2 series	NOTE	Approved as EN 61300-2 series
IEC 61300-3 series	NOTE	Approved as EN 61300-3 series
IEC 61300-3-38	NOTE	Approved as EN 61300-3-38
IEC 61753 series	NOTE	Approved as EN 61753 series
IEC 61754 series	NOTE	Approved as EN 61754 series
IEC 61754-4	NOTE	Approved as EN IEC 61754-4
IEC 61754-13	NOTE	Approved as EN 61754-13
IEC 61754-15	NOTE	Approved as EN 61754-15

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 60027	series	Letters symbols to be used in electrical technology	EN IEC 60027	series
IEC 60050-731	-	International Electrotechnical Vocabulary - Chapter 731: Optical fibre communication	-	-
IEC 60617	series	Standard data element types with associated classification scheme for electric components	-	-
IEC 61300	series	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures	EN IEC 61300	series
IEC 61753	series	Fibre optic interconnecting devices and passive components - Performance standard	EN IEC 61753	series
IEC/TR 61930	-	Fibre optic graphical symbology	-	-
IEC 62005	series	Reliability of fibre optic interconnecting devices and passive components	EN IEC 62005	series
IEC/TS 62627-09	-	Fibre optic interconnecting devices and passive components - Vocabulary for passive optical devices	-	-
ISO 129-1	-	Technical product documentation (TPD) - Presentation of dimensions and tolerances - Part 1: General principles	EN ISO 129-1	-
ISO 1101	-	Geometrical product specifications (GPS) - Geometrical tolerancing - Tolerances of form, orientation, location and run-out	EN ISO 1101	-
ISO 8601-1	-	Date and time - Representations for information interchange - Part 1: Basic rules	-	-



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INTERNATIONAL STANDARD

NORME INTERNATIONALE



Fibre optic interconnecting devices and passive components – Fibre optic passive chromatic dispersion compensators – Part 1: Generic specification

Dispositifs d'interconnexion et composants passifs fibroniques – Compensateurs de dispersion chromatique passifs fibroniques – Partie 1 : Spécification générique

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC INTERCONNECTING DEVICES
AND PASSIVE COMPONENTS – FIBRE OPTIC PASSIVE
CHROMATIC DISPERSION COMPENSATORS –****Part 1: Generic specification**

FOREWORD

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IEC 61978-1 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.

This fourth edition cancels and replaces the third edition published in 2014. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) harmonization of terms and definitions with IEC TS 62627-09;
- b) change of Clause 4 regarding requirements.

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

Draft	Report on voting
86B/4866/FDIS	86B/4901/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/publications.

A list of all parts in the IEC 61978 series, published under the general title *Fibre optic interconnecting devices and passive components – Fibre optic passive chromatic dispersion compensators*, 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

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