SLOVENSKI STANDARD
SIST EN IEC 61757:2026

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SIST EN IEC 61757-1:2018

Optični senzorji - Splošna specifikacija (IEC 61757:2026)

Fibre optic sensors - Generic specification (IEC 61757:2026)

LWL-Sensoren - Fachgrundspezifikation (IEC 61757:2026)

Capteurs à fibres optiques - Spécification générique (IEC 61757:2026)

Ta slovenski standard je istoveten z: **EN IEC 61757:2026**

ICS:

33.180.99	Druga oprema za optična vlakna	Other fibre optic equipment

SIST EN IEC 61757:2026 **en**

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Fibre optic sensors - Generic specification (IEC 61757:2026)

Capteurs fibroniques - Spécification générique (IEC 61757:2026)

LWL-Sensoren - Fachgrundspezifikation (IEC 61757:2026)

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

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European foreword

The text of document 86C/2008/FDIS, future edition 2 of IEC 61757, prepared by SC 86C "Fibre optic systems, sensing and active devices" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61757:2026.

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- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2027-04-30
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In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 60060-1	NOTE	Approved as EN IEC 60060-1
IEC 60654-4	NOTE	Approved as EN 60654-4
IEC 60068-2-1	NOTE	Approved as EN IEC 60068-2-1
IEC 60068-2-2	NOTE	Approved as EN IEC 60068-2-2
IEC 60068-2-5	NOTE	Approved as EN IEC 60068-2-5
IEC 60068-2-6	NOTE	Approved as EN 60068-2-6
IEC 60068-2-10	NOTE	Approved as EN 60068-2-10
IEC 60068-2-11	NOTE	Approved as EN IEC 60068-2-11
IEC 60068-2-13	NOTE	Approved as EN IEC 60068-2-13
IEC 60068-2-14	NOTE	Approved as EN IEC 60068-2-14
IEC 60068-2-27	NOTE	Approved as EN 60068-2-27
IEC 60068-2-30	NOTE	Approved as EN IEC 60068-2-30
IEC 60068-2-42	NOTE	Approved as EN 60068-2-42
IEC 60068-2-43	NOTE	Approved as EN 60068-2-43

IEC 60068-2-78	NOTE	Approved as EN IEC 60068-2-78
IEC 60529	NOTE	Approved as EN 60529
IEC 60793-1-20	NOTE	Approved as EN 60793-1-20
IEC 60793-1-21	NOTE	Approved as EN 60793-1-21
IEC 60793-1-31	NOTE	Approved as EN IEC 60793-1-31
IEC 60793-1-32	NOTE	Approved as EN IEC 60793-1-32
IEC 60793-1-47	NOTE	Approved as EN IEC 60793-1-47
IEC 60793-1-54	NOTE	Approved as EN IEC 60793-1-54
IEC 60794-1-21	NOTE	Approved as EN 60794-1-21
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IEC 61000-4-2	NOTE	Approved as EN IEC 61000-4-2
IEC 61000-4-3	NOTE	Approved as EN IEC 61000-4-3
IEC 61000-4-4	NOTE	Approved as EN 61000-4-4
IEC 61000-4-5	NOTE	Approved as EN 61000-4-5
IEC 61300 (series)	NOTE	Approved as EN 61300 (series)
IEC 61300-2-1	NOTE	Approved as EN IEC 61300-2-1
IEC 61300-2-9	NOTE	Approved as EN 61300-2-9
IEC 61300-2-18	NOTE	Approved as EN IEC 61300-2-18
IEC 61300-2-22	NOTE	Approved as EN IEC 61300-2-22
IEC 61300-2-34	NOTE	Approved as EN IEC 61300-2-34
IEC 61300-2-46	NOTE	Approved as EN IEC 61300-2-46
IEC 61757 (series)	NOTE	Approved as EN IEC 61757 (series)
IEC 62368 (series)	NOTE	Approved as EN IEC 62368 (series)

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.

Publication	Year	Title	EN/HD	Year
IEC 60068-1	-	Environmental testing - Part 1: General and guidance	EN 60068-1	-
IEC 60079-28	-	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation	EN IEC 60079-28	-
IEC 60825-1	-	Safety of laser products - Part 1: Equipment classification and requirements	EN 60825-1	-
IEC 60825-2	-	Safety of laser products - Part 2: Safety of optical fibre communication systems (OFCSs)	-	-
IEC 61300-3-35	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-35: Examinations and measurements - Visual inspection of fibre optic connectors and fibre-stub transceivers	EN IEC 61300-3-35	-
IEC 61753	series	Fibre optic interconnecting devices and passive components - Performance standard	EN IEC 61753	series
IEC/TR 61931	-	Fibre optic - Terminology	-	-
IEC/TR 62627-01	-	Fibre optic interconnecting devices and passive components - Part 01: Fibre optic connector cleaning methods	-	-
ISO/IEC Guide 99	-	International vocabulary of metrology - Basic and general concepts and associated terms (VIM)	-	-

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Fibre optic sensors - Generic specification

FOREWORD

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IEC 61757 has been prepared by subcommittee 86C: Fibre optic systems, sensing and active devices, of IEC technical committee 86: Fibre optics. It is an International Standard.

This second edition cancels and replaces the first edition published in 2018. This edition constitutes a technical revision.

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

a) expansion of the list of metrological parameters;
b) updates of the terms and definitions;
c) updates of the normative references and bibliography;
d) updates of the technical descriptions in Annex A.