



# SLOVENSKI STANDARD SIST EN 61291-4:2012

01-maj-2012

Nadomešča:  
SIST EN 61291-4:2008

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**Optični ojačevalniki - 4. del: Uporaba z več kanali - Šablona specifikacije izvedbe  
(IEC 61291-4:2011)**

Optical amplifiers - Part 4: Multichannel applications - Performance specification  
template (IEC 61291-4:2011)

Lichtwellenleiter-Verstärker - Teil 4: Mehrkanalanwendungen - Vorlage für  
Leistungsspezifikationen (IEC 61291-4:2011)

Amplificateurs optiques - Partie 4: Applications aux canaux multiples - Modèle de  
spécification de fonctionnement (IEC 61291-4:2011)

**Ta slovenski standard je istoveten z: EN 61291-4:2012**

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**ICS:**

33.180.30      Optični ojačevalniki      Optic amplifiers

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 61291-4**

March 2012

ICS 33.180.30

Supersedes EN 61291-4:2008

English version

**Optical amplifiers -  
Part 4: Multichannel applications -  
Performance specification template  
(IEC 61291-4:2011)**

Amplificateurs optiques -  
Partie 4: Applications multicanaux -  
Modèle de spécification de  
fonctionnement  
(CEI 61291-4:2011)

Lichtwellenleiter-Verstärker -  
Teil 4: Mehrkanalanwendungen -  
Vorlage für Leistungsspezifikationen  
(IEC 61291-4:2011)

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**CENELEC**

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

**Management Centre: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 86C/993/CDV, future edition 3 of IEC 61291-4, prepared by SC 86C, "Fibre optic systems and active devices", of IEC/TC 86, "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61291-4:2012.

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) 2012-09-29
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2014-12-29

This document supersedes EN 61291-4:2008

EN 61291-4:2012 includes the following significant technical changes with respect to EN 61291-4:2008:

The transient parameter test methods, EN 61290-4 series, have been added to Tables 1, 2 and 3.

This standard is to be used in conjunction with EN 61291-1.

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### Endorsement notice

The text of the International Standard IEC 61291-4:2011 was approved by CENELEC as a European Standard without any modification.

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

IEC 61280 series	NOTE	Harmonized in EN 61280 series.
IEC 61291-2	NOTE	Harmonized as EN 61291-2.

## 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 60825-1	-	Safety of laser products - Part 1: Equipment classification and requirements	EN 60825-1	-
IEC 61290	Series	Optical amplifiers - Test methods	EN 61290	Series
IEC 61291-1	-	Optical amplifiers - Part 1: Generic specification	EN 61291-1	-
IEC 61291-5-2	-	Optical amplifiers - Part 5-2: Qualification specifications - Reliability qualification for optical fibre amplifiers	EN 61291-5-2	-

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Edition 3.0 2011-11

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Optical amplifiers – Part 4: Multichannel applications – Performance specification template**  
**STANDARD PREVIEW**  
**(standards.iteh.ai)**

**Amplificateurs optiques – Partie 4: Applications multicanaux – Modèle de spécification de fonctionnement**

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## OPTICAL AMPLIFIERS –

**Part 4: Multichannel applications –  
Performance specification template**

## FOREWORD

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International Standard IEC 61291-4 has been prepared by subcommittee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics.

This third edition cancels and replaces the second edition published in 2008 and constitutes a technical revision. The main significant changes are the following:

The transient parameter test methods, IEC 61290-4 series, have been added to Tables 1, 2, and 3.