



SLOVENSKI STANDARD
SIST EN 50521:2009/A1:2012
01-september-2012

**Konektorji za fotonapetostne sisteme - Varnostne zahteve in preskusi - Dopolnilo
A1**

Connectors for photovoltaic systems - Safety requirements and tests

Steckverbinder für Photovoltaik-Systeme - Sicherheitsanforderungen und Prüfungen

Connecteurs pour systèmes photovoltaïques - Exigences de sécurité et essais

iTeh STANDARD PREVIEW
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Ta slovenski standard je istoveten z: EN 50521:2008/A1:2012

SIST EN 50521:2009/A1:2012
<https://standards.iteh.ai/catalog/standards/sist/94f4a3fa-a12a-4e9a-a327-e7d7bbfd95d7/sist-en-50521-2009-a1-2012>

ICS:

27.160	Sončna energija	Solar energy engineering
31.220.10	Vtiči in vtičnice, konektorji	Plug-and-socket devices. Connectors

SIST EN 50521:2009/A1:2012

en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50521/A1

July 2012

ICS 29.120.30

English version

Connectors for photovoltaic systems - Safety requirements and tests

Connecteurs pour systèmes
photovoltaïques -
Exigences de sécurité et essais

Steckverbinder für Photovoltaik-Systeme -
Sicherheitsanforderungen und Prüfungen

This amendment A1 modifies the European Standard EN 50521:2008; it was approved by CENELEC on 2012-06-25. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

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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

This document (EN 50521:2008/A1:2012) has been prepared by CLC/TC 82 "Solar photovoltaic energy systems".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2013-06-25
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2015-06-25

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1 Scope

Replace the first sentence by the following:

This European Standard applies to connectors of application Class A according to EN 61730-1 for use in photovoltaic systems with rated voltages up to 1 500 V DC and rated currents up to 125 A per contact.

5 Constructional requirements and performance

5.18.1.2 Overvoltage category

Replace the text and Table 2 by the following:

The assignment of connectors may be carried out according to the rules as given in EN 60664-1 in conjunction with IEC/TR 60664-2-1:2011, Annex D, for overvoltage Category III.

Table 2 – Rated impulse voltage

Rated voltage V DC	Values for the rated impulse voltage for basic insulation kV (1,2/50 µs)	Values for the rated impulse voltage for reinforced insulation kV (1,2/50 µs)
100	1,5	2,5
150	2,5	4,0
300	4,0	6,0
600	6,0	8,0
1 000	8,0	12,0
1 500	10,0	16,0

NOTE Values are for overvoltage category III.

Bibliography

Add the following reference:

IEC/TR 60664-2-1:2011, *Insulation coordination for equipment within low-voltage systems – Part 2-1: Application guide – Explanation of the application of the IEC 60664 series, dimensioning examples and dielectric testing*