

SLOVENSKI STANDARD

SIST EN 61076-2-113:2017

01-september-2017

Konektorji za elektronsko opremo - Zahteve za izdelek - 2-113. del: Okrogli konektorji - Podrobna specifikacija za konektorje s podatkovnimi in tokovnimi kontakti z vijačno zaporo M12 za frekvence do 100 MHz (IEC 61076-2-113:2017)

Connectors for electronic equipment - Product requirements - Part 2-113: Circular connector - Detail specification for connectors with data and power contacts with M12 screw-locking for frequency up to 100MHz (IEC 61076-2-113:2017)

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Ta slovenski standard je istoveten z: EN 61076-2-113:2017

ICS:

31.220.10	Vtiči in vtičnice, konektorji	Plug-and-socket devices. Connectors
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EUROPEAN STANDARD

EN 61076-2-113

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2017

ICS 31.220.10

English Version

**Connectors for electronic equipment - Product requirements -
Part 2-113: Circular connectors - Detail specification for
connectors with M12 screw locking with power and signal
contacts for data transmission with frequency up to 100 MHz
(IEC 61076-2-113:2017)**

Connecteurs pour équipements électroniques - Exigences
de produit - Partie 2-113: Connecteurs circulaires -
Spécification particulière relative aux connecteurs à
contacts de puissance et de signalisation, avec verrouillage
à vis M12 pour les transmissions de données à des
fréquences allant jusqu'à 100 MHz
(IEC 61076-2-113:2017)

Steckverbinder für elektronische Einrichtungen -
Produktanforderungen - Teil 2-113: Rundsteckverbinder -
Bauartspezifikation für Steckverbinder mit Daten- und
Leistungskontakten mit Schraubverriegelung M12 für
Frequenzen bis 100 MHz
(IEC 61076-2-113:2017)

iTeh STANDARD PREVIEW

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 61076-2-113:2017**European foreword**

The text of document 48B/2539/FDIS, future edition 1 of IEC 61076-2-113, prepared by SC 48B "Electrical connectors" of IEC/TC 48 "Electrical connectors and mechanical structures for electrical and electronic equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61076-2-113:2017.

The following dates are fixed:

- latest date by which the document has to be (dop) 2017-12-28
implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2020-03-28
standards conflicting with the
document have to be withdrawn

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 61076-2-113:2017 was approved by CENELEC as a European Standard without any modification.

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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 1 When 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.cenelec.eu

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-581	-	International Electrotechnical Vocabulary (IEV) - Part 581: Electromechanical components for electronic equipment	-	-
IEC 60068-1	-	Environmental testing - Part 1: General and guidance	EN 60068-1	-
IEC 60068-2-60	-	Environmental testing - Part 2-60: Tests - Test Ke: Flowing mixed gas corrosion test	EN 60068-2-60	-
IEC 60352	Series	Solderless connections	EN 60352	Series
IEC 60512	Series	Connectors for electronic equipment - Tests and measurements	EN 60512	Series
IEC 60512-1-2	-	Connectors for electronic equipment - Tests and measurements - Part 1-2: General examination - Test 1b: Examination of dimension and mass	EN 60512-1-2	-
IEC 60512-1-100	-	Connectors for electronic equipment - Tests and measurements - Part 1-100: General - Applicable publications	EN 60512-1-100	-
IEC 60529	-	Degrees of protection provided by enclosures (IP Code)	EN 60529	-
IEC 60664-1	-	Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests	EN 60664-1	-
IEC 60998-2-1	-	Connecting devices for low-voltage circuits for household and similar purposes - Part 2-1: Particular requirements for connecting devices as separate entities with screw-type clamping units	EN 60998-2-1	-
IEC 60999	Series	Connecting devices - Electrical copper conductors - Safety requirements for screw-type and screwless-type clamping units	EN 60999	Series

EN 61076-2-113:2017

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61076-1	2006	Connectors for electronic equipment - Product requirements - Part 1: Generic specification	EN 61076-1	2006
IEC 61984	-	Connectors - Safety requirements and tests	EN 61984	-
IEC 62197-1	-	Connectors for electronic equipment - Quality assessment requirements - Part 1: Generic specification	EN 62197-1	-
ISO 1302	-	Geometrical Product Specifications (GPS) - Indication of surface texture in technical product documentation	EN ISO 1302	-

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IEC 61076-2-113

Edition 1.0 2017-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Connectors for electronic equipment – Product requirements –
Part 2-113: Circular connectors – Detail specification for connectors with M12
screw locking with power and signal contacts for data transmission with
frequency up to 100 MHz**

[SIST EN 61076-2-113:2017](https://standards.iteh.ai/catalog/standards/sist/7042b883-3f61-4850-a273-b6189451c6c0/iec-61076-2-113:2017)

[https://standards.iteh.ai/catalog/standards/sist/7042b883-3f61-4850-a273-](https://standards.iteh.ai/catalog/standards/sist/7042b883-3f61-4850-a273-b6189451c6c0/iec-61076-2-113:2017)

**Connecteurs pour équipements électroniques – Exigences de produit –
Partie 2-113: Connecteurs circulaires – Spécification particulière relative aux
connecteurs à contacts de puissance et de signalisation, avec verrouillage à vis
M12 pour les transmissions de données à des fréquences allant jusqu'à 100 MHz**

INTERNATIONAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

CONNECTORS FOR ELECTRONIC EQUIPMENT – PRODUCT REQUIREMENTS –

Part 2-113: Circular connectors – Detail specification for connectors with M12 screw locking with power and signal contacts for data transmission with frequency up to 100 MHz

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 61076-2-113 has been prepared by subcommittee 48B: Electrical connectors, of IEC technical committee 48: Electrical connectors and mechanical structures for electrical and electronic equipment.

The text of this standard is based on the following documents:

FDIS	Report on voting
48B/2539/FDIS	48B/2547/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 61076 series, under the general title *Connectors for electronic equipment – Product requirements*, 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 "<http://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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INTRODUCTION

The International Electrotechnical Commission (IEC) draws attention to the fact that it is claimed that compliance with this document may involve the use of a patent concerning connectors given in this specification.

The IEC takes no position concerning the evidence, validity and scope of this patent right.

The holder of this patent right has assured the IEC that he is willing to give free licences with applicants throughout the world. In this respect, the statement of the holder of this patent right is registered with the IEC.

Information may be obtained from:

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