SLOVENSKI STANDARD
SIST EN IEC 61076-2-104:2026

01-maj-2026

Nadomešča:
SIST EN 61076-2-104:2014

Konektorji za električno in elektronsko opremo - Zahteve za izdelek - 2-104. del: Okrogli konektorji - Podrobna specifikacija za okrogle konektorje z vijačnim M8 ali zaskočnim zaklepanjem (IEC 61076-2-104:2026)

Connectors for electrical and electronic equipment - Product requirements - Part 2-104: Circular connectors - Detail specification for circular connectors with M8 screw-locking or snap-locking (IEC 61076-2-104:2026)

Lichtwellenleiterkabel - Teil 1-104: Fachgrundspezifikation - Grundlegende Prüfverfahren für optische Kabel - Mechanische Prüfverfahren - Schlag, Verfahren E4 (IEC 61076-2-104:2026)

Connecteurs pour équipements électroniques - Exigences de produit - Partie 2-104: Connecteurs circulaires - Spécification particulière pour les connecteurs circulaires m8 à vis ou à encliquetage (IEC 61076-2-104:2026)

Ta slovenski standard je istoveten z: **EN IEC 61076-2-104:2026**

ICS:

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

SIST EN IEC 61076-2-104:2026 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 61076-2-104

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English Version

Connectors for electrical and electronic equipment - Product requirements - Part 2-104: Circular connectors - Detail specification for circular connectors with M8 screw-locking or snap-locking (IEC 61076-2-104:2026)

Connecteurs pour équipements électroniques - Exigences de produit - Partie 2-104: Connecteurs circulaires - Spécification particulière pour les connecteurs circulaires m8 à vis ou à encliquetage (IEC 61076-2-104:2026)

Steckverbinder für elektronische Einrichtungen - Produktanforderungen - Teil 2-104: Rundsteckverbinder - Bauartspezifikation für Rundsteckverbinder M8 mit Schraub-oder Rastverriegelung (IEC 61076-2-104:2026)

This European Standard was approved by CENELEC on 2026-03-16. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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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

Ref. No. EN IEC 61076-2-104:2026 E

European foreword

The text of document 48B/3188/FDIS, future edition 3 of IEC 61076-2-104, 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 IEC 61076-2-104:2026.

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) 2027-03-31
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2029-03-31

This document supersedes EN 61076-2-104:2014 and all of its amendments and corrigenda (if any).

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

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 61076-2-104:2026 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 standard indicated:

IEC 60512-5-2	NOTE	Approved as EN 60512-5-2
IEC 61076-2	NOTE	Approved as EN IEC 61076-2
IEC 61076-2-114	NOTE	Approved as EN IEC 61076-2-114
ISO 11469	NOTE	Approved as EN ISO 11469
ISO 21920-1:2021	NOTE	Approved as EN ISO 21920-1:2022 (not modified)

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 60050-581	-	International Electrotechnical Vocabulary - Part 581: Electromechanical components for electronic equipment	-	-
IEC 60068-1	-	Environmental testing - Part 1: General and guidance	EN 60068-1	-
IEC 60352-2	-	Solderless connections - Part 2: Crimped connections - General requirements, test methods and practical guidance	EN IEC 60352-2	-
IEC 60352-3	-	Solderless connections - Part 3: Accessible insulation displacement (ID) connections - General requirements, test methods and practical guidance	EN IEC 60352-3	-
IEC 60352-4	-	Solderless connections - Part 4: Non-accessible insulation displacement (ID) connections - General requirements, test methods and practical guidance	EN IEC 60352-4	-
IEC 60352-5	-	Solderless connections - Part 5: Press-in connections - General requirements, test methods and practical guidance	EN IEC 60352-5	-
IEC 60352-6	-	Solderless connections - Part 6: Insulation piercing connections - General requirements, test methods and practical guidance	EN IEC 60352-6	-
IEC 60352-7	-	Solderless connections - Part 7: Spring clamp connections - General requirements, test methods and practical guidance	EN IEC 60352-7	-
IEC 60352-9	-	Solderless connections - Part 9: Ultrasonically welded connections - General requirements, test methods and practical guidance	EN IEC 60352-9	-
IEC 60512	series	Connectors for electrical and electronic equipment - Tests and measurements - Part 1: Generic specification	EN IEC 60512	series

IEC 60512-1	-	Connectors for electrical and electronic equipment - Tests and measurements - Part 1: Generic specification	EN IEC 60512-1	-
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 60512-2-1	-	Connectors for electronic equipment - Tests and measurements - Part 2-1: Electrical continuity and contact resistance tests - Test 2a: Contact resistance - Millivolt level method	EN 60512-2-1	-
IEC 60512-3-1	-	Connectors for electronic equipment - Tests and measurements - Part 3-1: Insulation tests - Test 3a: Insulation resistance	EN 60512-3-1	-
IEC 60512-4-1	-	Connectors for electronic equipment - Tests and measurements - Part 4-1: Voltage stress tests - Test 4a: Voltage proof	EN 60512-4-1	-
IEC 60512-6-3	-	Connectors for electronic equipment - Tests and measurements - Part 6-3: Dynamic stress tests - Test 6c: Shock	EN 60512-6-3	-
IEC 60512-6-4	-	Connectors for electronic equipment - Tests and measurements - Part 6-4: Dynamic stress tests - Test 6d: Vibration (sinusoidal)	EN 60512-6-4	-
IEC 60512-9-1	-	Connectors for electronic equipment - Tests and measurements - Part 9-1: Endurance tests - Test 9a: Mechanical operation	EN 60512-9-1	-
IEC 60512-13-2	-	Connectors for electronic equipment - Tests and measurements - Part 13-2: Mechanical operation tests - Test 13b: Insertion and withdrawal forces	EN 60512-13-2	-
IEC 60512-13-5	-	Connectors for electronic equipment - Tests and measurements - Part 13-5: Mechanical operation tests - Test 13e: Polarizing and keying method	EN 60512-13-5	-
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
-	-		+ corrigendum May	1993
+ A1	1999		+ A1	2000
+ A2	2013		+ A2	2013
IEC 60664-1	2020	Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests	EN IEC 60664-1	2020
IEC 60999-1	-	Connecting devices - Electrical copper conductors - Safety requirements for screw-type and screwless-type clamping units - Part 1: General requirements and particular requirements for clamping units for conductors from 0,2 mm2 up to 35 mm2 (included)	EN 60999-1	-

IEC 61076-1	-	Connectors for electronic equipment - Product requirements - Part 1: Generic specification	EN 61076-1	-
IEC 61984	2008	Connectors - Safety requirements and tests	EN 61984	2009
IEC 62197-1	-	Connectors for electronic equipment - Quality assessment requirements - Part 1: Generic specification	EN 62197-1	-

IEC 61076-2-104

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INTERNATIONAL STANDARD

Connectors for electrical and electronic equipment - Product requirements - Part 2-104: Circular connectors - Detail specification for circular connectors with M8 screw-locking or snap-locking

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CONTENTS

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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Connectors for electrical and electronic equipment - Product requirements - Part 2-104: Circular connectors - Detail specification for circular connectors with M8 screw-locking or snap-locking

FOREWORD

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IEC 61076-2-104 has been prepared by subcommittee 48B: Electrical connectors, of IEC technical committee 48: Electrical connectors and mechanical structures for electrical and electronic equipment. It is an International Standard.

This third edition cancels and replaces the second 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) The structure of this document has been adapted to the new IEC template for standards. New subclauses have been added. Clause 5 and Clause 6 have been updated.
b) The mating face for a M8 12-pole connector has been added.

c) Annex B Orientation of cable outlet in relation to coding has been added.

d) The styles for connector inserts have been moved to the normative Annex C.

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

Draft	Report on voting
48B/3188/FDIS	48B/3194/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 of the IEC 61076 series, published under the general title *Connectors for electrical and 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 webstore.iec.ch in the data related to the specific document. At this date, the document will be

– reconfirmed,

– withdrawn, or

– revised.