

STN	Konektory pre elektronické zariadenia. Požiadavky na výrobok. Časť 2-104: Kruhové konektory. Podrobná špecifikácia pre kruhovú konektory so závitovým uzáverom M8 alebo uzáverom so západkou.	STN EN 61076-2-104 35 4621
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Connectors for electronic equipment - Product requirements - Part 2-104: Circular connectors - Detail specification for circular connectors with M8 screw-locking or snap-locking

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 03/15

Obsahuje: EN 61076-2-104:2014, IEC 61076-2-104:2014

Oznámením tejto normy sa od 14.10.2017 ruší
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EUROPEAN STANDARD

EN 61076-2-104

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2014

ICS 31.220.10

Supersedes EN 61076-2-104:2008

English Version

**Connectors for electronic equipment - Product requirements -
Part 2-104: Circular connectors - Detail specification for circular
connectors with M8 screw-locking or snap-locking
(IEC 61076-2-104:2014)**

Connecteurs pour équipements électroniques - Exigences
de produit - Partie 2-104: Connecteurs circulaires -
Spécification particulière pour les connecteurs circulaires
M8 à vis ou à encliquetage
(CEI 61076-2-104:2014)

Steckverbinder für elektronische Einrichtungen -
Produktanforderungen - Teil 2-104: Rundsteckverbinder -
Bauartspezifikation für Rundsteckverbinder M8 mit
Schraub- oder Rastverriegelung
(IEC 61076-2-104:2014)

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

Foreword

The text of document 48B/2384/FDIS, future edition 2 of IEC 61076-2-104, prepared by SC 48B "Connectors" of IEC/TC 48 "Electromechanical components and mechanical structures for electronic equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61076-2-104:2014.

The following dates are fixed:

- latest date by which the document has to be (dop) 2015-07-14
implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2017-10-14
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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	Series	International Electrotechnical Vocabulary	-	-
IEC 60068-1	2013	Environmental testing - Part 1: General and guidance	EN 60068-1	2014
IEC 60068-2-60	-	Environmental testing - Part 2: 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 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529 corr. May	1991 1993
+ A1	1999		+ A1	2000
+ A2	2013		+ A2	2013
IEC 60664-1	2007	Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests	EN 60664-1	2007
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
IEC 61076-1	2006	Connectors for electronic equipment - Product requirements - Part 1: Generic specification	EN 61076-1	2006

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61984	-	Connectors - Safety requirements and tests	EN 61984	-
ISO 1302	-	Geometrical Product Specifications (GPS) - Indication of surface texture in technical product documentation	EN ISO 1302	-



INTERNATIONAL STANDARD

NORME INTERNATIONALE

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

**Connecteurs pour équipements électroniques – Exigences de produit –
Partie 2-104: Connecteurs circulaires – Spécification particulière pour les
connecteurs circulaires M8 à vis ou à encliquetage**





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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
Fax: +41 22 919 03 00
info@iec.ch
www.iec.ch

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Edition 2.0 2014-09

INTERNATIONAL STANDARD

NORME INTERNATIONALE

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

**Connecteurs pour équipements électroniques – Exigences de produit –
Partie 2-104: Connecteurs circulaires – Spécification particulière pour les
connecteurs circulaires M8 à vis ou à encliquetage**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CONNECTORS FOR 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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International Standard IEC 61076-2-104 has been prepared by subcommittee 48B: Connectors, of IEC technical committee 48: Electromechanical components and mechanical structures for electronic equipment.

This second edition cancels and replaces the first edition published in 2008. This edition constitutes a technical revision.

The main technical changes with regard to the previous edition are as follows:

- three new type ways have been added to the A-coding, including new gauges and contact diameters;
- the type designation has been removed.

A list of all parts of the IEC 61076 series, under the general title *Connectors for electronic equipment – Product requirements*, can be found on the IEC website.

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

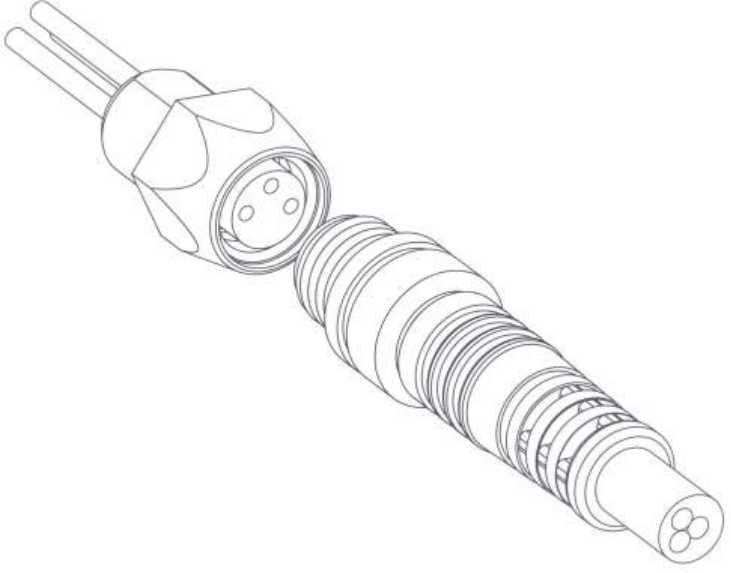
FDIS	Report on voting
48B/2384/FDIS	48B/2399/RVD

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

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

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

International Electrotechnical Commission IEC SC 48B – Connectors Specification available from: IEC General secretariat or from the addresses shown on the inside cover.	IEC 61076-2-104
ELECTRONIC COMPONENTS detail specification in accordance with IEC 61076-1	
	Circular connectors M8/ diameter 8 mm 3 to 8 way Male and female contacts Male and female connectors Rewireable – Non-rewireable
	Free cable connectors Straight and right angle connectors Fixed connectors Flange mounting Single hole mounting

CONNECTORS FOR ELECTRONIC EQUIPMENT – PRODUCT REQUIREMENTS –

Part 2-104: Circular connectors – Detail specification for circular connectors with M8 screw-locking or snap-locking

1 Scope

This part of IEC 61076 describes circular connectors M8 screw-locking or with nominal diameter 8 mm snap-locking, typically used for industrial process measurement and control. These connectors consist of fixed and free connectors either rewirable or non-rewirable. Male connectors have round contacts of diameter 0,6 mm, diameter 0,7 mm and diameter 1,0 mm.

Throughout this detail specification, dimensions are in mm.

NOTE M8 is the dimension of the thread of the screw-locking mechanism of these circular connectors.

2 Normative references

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.

IEC 60050 (all parts): *International Electrotechnical Vocabulary* (available at <http://www.electropedia.org>)

IEC 60068-1:2013, *Environmental testing - Part 1: General and guidance*

IEC 60068-2-60, *Environmental testing – Part 2: Tests – Test Ke: Flowing mixed gas corrosion test*

IEC 60352 (all parts), *Solderless connections*

IEC 60512 (all parts), *Connectors for electronic equipment – Tests and measurements*

IEC 60529:1989, *Degrees of protection provided by enclosures (IP Code)*

Amendment 2:2013

Amendment 1:1999

IEC 60664-1:2007, *Insulation coordination for equipment within low-voltage systems – Part 1: Principles, requirements and tests*

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*

IEC 60999 (all parts), *Connecting devices – Electrical copper conductors – Safety requirements for screw-type and screwless-type clamping units*

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IEC 61076-1:2006, *Connectors for electronic equipment – Product requirements – Part 1: Generic specification*

IEC 61984, *Connectors – Safety requirements and tests*

ISO 1302, *Geometrical Product Specification (GPS) – Indication of surface texture in technical product documentation*

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