

Connectors for electronic equipment - Product requirements - Part 2-109: Circular connectors - Detail specification for connectors with M 12 × 1 screw-locking, for data transmission frequencies up to 500 MHz

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Connectors for electronic equipment - Product requirements -
Part 2-109: Circular connectors - Detail specification for
connectors with M 12 × 1 screw-locking, for data transmission
frequencies up to 500 MHz
(IEC 61076-2-109:2014)

Connecteurs pour équipements électroniques - Exigences
de produit - Partie 2-109: Connecteurs circulaires -
Spécification particulière relative aux connecteurs avec
verrouillage à vis M 12 × 1, pour les transmissions de
données à des fréquences jusqu'à 500 MHz
(CEI 61076-2-109:2014)

Steckverbinder für elektronische Einrichtungen -
Produktanforderungen - Teil 2-109: Rundsteckverbinder -
Bauartspezifikation für Steckverbinder M 12 x 1 mit
Schraubverriegelung für Datenübertragungen bis 500 MHz
(IEC 61076-2-109:2014)

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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

Foreword

The text of document 48B/2369/FDIS, future edition 1 of IEC 61076-2-109, 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 61076-2-109:2014.

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) 2015-03-12
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-06-12

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Endorsement notice

The text of the International Standard IEC 61076-2-109:2014 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		Series International Electrotechnical Vocabulary (IEV)	-	-
IEC 60068-1	2013	Environmental testing - Part 1: General and guidance	EN 60068-1	2014
IEC 60068-2-60	1995	Environmental testing - Part 2: Tests - Test Ke: Flowing mixed gas corrosion test	EN 60068-2-60	1996
IEC 60352		Series Solderless connections	EN 60352	series
IEC 60512		Series Connectors for electronic equipment - Tests and measurements	EN 60512-1	series
IEC 60512-29-100 ¹⁾	-	Connectors for electronic equipment - Tests and measurements - Part 29-100: Signal integrity tests up to 500 MHz on M12 style connectors - Tests 29a to 29g	EN 60512-29-100 ¹⁾	-
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 60603-7	2008	Connectors for electronic equipment - Part 7: Detail specification for 8-way, unshielded, free and fixed connectors	EN 60603-7	2009
A1	2011		A1	2011
IEC 60603-7-1	-	Connectors for electronic equipment - Part 7-1: Detail specification for 8-way, shielded, free and fixed connectors	EN 60603-7-1	-
IEC 60664-1	2007	Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests	EN 60664-1	2007

¹⁾ At draft stage.

IEC 60998-2-1 (mod)	2002	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	2004
IEC 60999	Series	Connecting devices - Electrical copper conductors - Safety requirements for screw-type and screwless-type clamping units	EN 60999	Series
IEC 61076-1	-	Connectors for electronic equipment - Product requirements - Part 1: Generic specification	EN 61076-1	-
IEC 61076-2	2011	Connectors for electronic equipment - Product requirements - Part 2: Sectional specification for circular connectors	EN 61076-2	2011
IEC 61076-2-101	2012	Connectors for electronic equipment - Product requirements - Part 2-101: Circular connectors - Detail specification for M12 connectors with screw-locking	EN 61076-2-101	2012
IEC 61984	2008	Connectors - Safety requirements and tests	EN 61984	2009
ISO 1302	-	Geometrical Product Specifications (GPS) - Indication of surface texture in technical product documentation	EN ISO 1302	-
ISO/IEC 11801	2002	Information technology - Generic cabling for customer premises	-	-

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INTRODUCTION

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

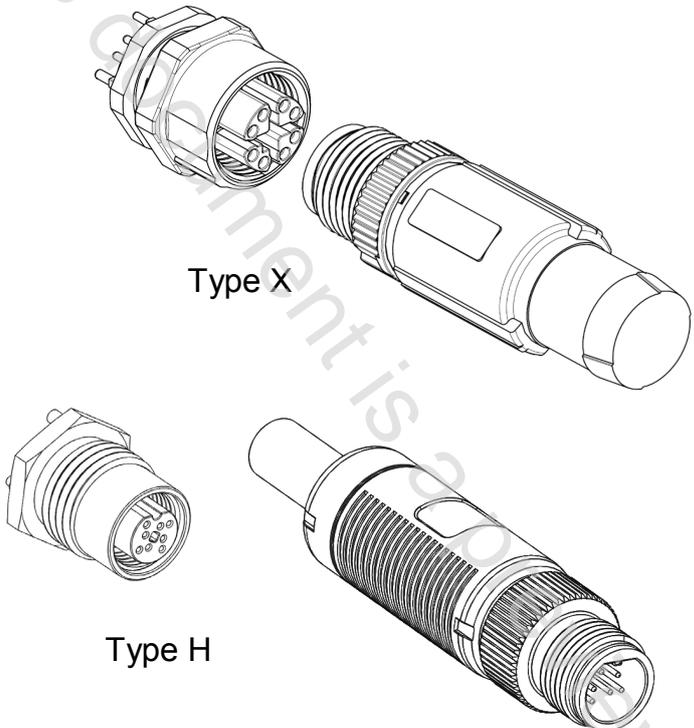
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<p>INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC SC 48B – Connectors</p>	<p>IEC 61076-2-109 Ed. 1.0</p>
<p>ELECTRONIC COMPONENTS in accordance with IEC 61076-1</p>	
 <p style="text-align: center;">Type X</p> <p style="text-align: center;">Type H</p> <p style="text-align: right;">IEC 1225/14</p>	<p>Circular connectors M12 × 1 mm 2 to 8 ways, for data transmission frequencies up to 500 MHz</p> <p>Pin and socket connectors with round contact</p> <p>Rewireable – Non-rewirable</p> <p>Free cable connectors Straight and right angle connectors</p> <p>Fixed connectors Flange mounting Rear mounting Single hole mounting</p>

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