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**Konektorji za elektronsko opremo - Zahteve za izdelek - 3-115. del: Pravokotni konektorji - Zaščitna ohišja za 8-redne zaslonjene in nezaslonjene konektorje za frekvence do 600 MHz za industrijska okolja z vgrajenim vmesnikom serije IEC 60603-7 - Različica 12 glede na 61076-3-106 - Zaklepni tip (IEC 61076-3-115:2009)**

Connectors for electronic equipment - Product requirements - Part 3-115: Rectangular connectors - Detail specification for protective housings for use with 8-way shielded and unshielded connectors for frequencies up to 600 MHz for industrial environments incorporating the IEC 60603-7 series interface - Variant 12 related to IEC 61076-3-106 - Push-pull type (IEC 61076-3-115:2009)

Steckverbinder für elektronische Einrichtungen - Produktanforderungen - Teil 3-115: Rechteckige Steckverbinder - Bauartspezifikation für Schutzgehäuse für die Anwendung mit 8-poligen geschirmten und ungeschirmten Steckverbindern für Frequenzen bis 600 MHz für industrielle Umgebungen zur Aufnahme der Schnittstelle der Reihe IEC 60603-7 - Ausführung 12 zu IEC 61076-3-106 - Push-pull-Ausführung (IEC 61076-3-115:2009)

Connecteurs pour équipement électroniques - Exigences de produit - Partie 3-115: Connecteurs rectangulaires - Spécification particulière pour boîtiers de protection utilisés avec des connecteurs blindés et non blindés à 8 voies pour des fréquences inférieures ou égales à 600 MHz dans des environnements industriels incorporant l'interface série CEI 60603-7 - Variante 12 liée à la CEI 61076-3-106 - Type d'accouplement pousser-tirer (CEI 61076-3-115:2009)

**Ta slovenski standard je istoveten z: EN 61076-3-115:2010**

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**ICS:**

|           |                               |                                        |
|-----------|-------------------------------|----------------------------------------|
| 31.220.10 | Vtiči in vtičnice, konektorji | Plug-and-socket devices.<br>Connectors |
|-----------|-------------------------------|----------------------------------------|

**SIST EN 61076-3-115:2010**

**en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 61076-3-115**

September 2010

ICS 31.220.10

English version

**Connectors for electronic equipment - Product requirements -  
Part 3-115: Rectangular connectors -  
Detail specification for protective housings for use with 8-way shielded and  
unshielded connectors for frequencies up to 600 MHz for industrial environments  
incorporating the IEC 60603-7 series interface -  
Variant 12 related to IEC 61076-3-106 -  
Push-pull type  
(IEC 61076-3-115:2009)**

Connecteurs pour équipement électronique -  
Exigences de produit -  
Partie 3-115: Connecteurs rectangulaires -  
Spécification particulière pour boîtiers de  
protection utilisés avec des connecteurs blindés et  
non blindés à 8 voies pour des fréquences  
inférieures ou égales à 600 MHz dans des  
environnements industriels incorporant l'interface  
série CEI 60603-7 -  
Variante 12 liée à la CEI 61076-3-106 -  
Type d'accouplement pousser-tirer  
(CEI 61076-3-115:2009)

Steckverbinder für elektronische Einrichtungen -  
Produktanforderungen -  
Teil 3-115: Rechteckige Steckverbinder -  
Bauartspezifikation für Schutzgehäuse für die  
Anwendung mit 8-poligen geschirmten und  
ungeschirmten Steckverbindern für Frequenzen bis  
600 MHz für industrielle Umgebungen zur Aufnahme  
der Schnittstelle der Reihe IEC 60603-7 -  
Ausführung 12 zu IEC 61076-3-106 -  
Push-pull-Ausführung  
(IEC 61076-3-115:2009)

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

**Management Centre: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 48B/2011/FDIS, future edition 1 of IEC 61076-3-115, 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 was approved by CENELEC as EN 61076-3-115 on 2010-09-01.

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

The following dates were fixed:

- |                                                                                                                                          |       |            |
|------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| – latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement | (dop) | 2011-06-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn                                               | (dow) | 2013-09-01 |

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 61076-3-115:2009 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 referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

| <u>Publication</u> | <u>Year</u> | <u>Title</u>                                                                                                                                                                 | <u>EN/HD</u>   | <u>Year</u> |
|--------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|
| IEC 60050-581      | 2008        | International Electrotechnical Vocabulary - Part 581: Electromechanical components for electronic equipment                                                                  | -              | -           |
| IEC 60068-1        | -           | Environmental testing - Part 1: General and guidance                                                                                                                         | EN 60068-1     | -           |
| IEC 60068-2-14     | -           | Environmental testing - Part 2-14: Tests - Test N: Change of temperature                                                                                                     | EN 60068-2-14  | -           |
| IEC 60068-2-30     | -           | Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)                                                                                    | EN 60068-2-30  | -           |
| IEC 60512-1        | -           | Connectors for electronic equipment - Tests and measurements - Part 1: General                                                                                               | EN 60512-1     | -           |
| 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 60603-7        | -           | Connectors for electronic equipment - Part 7: Detail specification for 8-way, unshielded, free and fixed connectors                                                          | EN 60603-7     | -           |
| IEC 60603-7-2      | -           | Connectors for electronic equipment - Part 7-2: Detail specification for 8-way, unshielded, free and fixed connectors, for data transmissions with frequencies up to 100 MHz | EN 60603-7-2   | -           |
| IEC 60603-7-3      | -           | Connectors for electronic equipment - Part 7-3: Detail specification for 8-way, shielded, free and fixed connectors, for data transmission with frequencies up to 100 MHz    | EN 60603-7-3   | -           |
| IEC 60603-7-4      | -           | Connectors for electronic equipment - Part 7-4: Detail specification for 8-way, unshielded, free and fixed connectors, for data transmissions with frequencies up to 250 MHz | EN 60603-7-4   | -           |

| <u>Publication</u> | <u>Year</u> | <u>Title</u>                                                                                                                                                                        | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|
| IEC 60603-7-5      | -           | Connectors for electronic equipment -<br>Part 7-5: Detail specification for 8-way,<br>shielded, free and fixed connectors, for data<br>transmissions with frequencies up to 250 MHz | EN 60603-7-5 | -           |
| IEC 60603-7-7      | -           | Connectors for electronic equipment -<br>Part 7-7: Detail specification for 8-way,<br>shielded, free and fixed connectors for data<br>transmission with frequencies up to 600 MHz   | EN 60603-7-7 | -           |
| IEC 60664-1        | -           | Insulation coordination for equipment within<br>low-voltage systems -<br>Part 1: Principles, requirements and tests                                                                 | EN 60664-1   | -           |
| IEC 61076-1        | 2006        | Connectors for electronic equipment -<br>Product requirements -<br>Part 1: Generic specification                                                                                    | EN 61076-1   | 2006        |
| IEC 61156          | Series      | Multicore and symmetrical pair/quad cables<br>for digital communications                                                                                                            | -            | -           |
| IEC 61156-2        | -           | Multicore and symmetrical pair/quad cables<br>for digital communications -<br>Part 2: Horizontal floor wiring - Sectional<br>specification                                          | -            | -           |
| IEC 61156-3        | -           | Multicore and symmetrical pair/quad cables<br>for digital communications -<br>Part 3: Work area cable - Sectional<br>specification                                                  | -            | -           |
| IEC 61156-4        | -           | Multicore and symmetrical pair/quad cables<br>for digital communications -<br>Part 4: Riser cables - Sectional specification                                                        | -            | -           |

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IEC 61076-3-115

Edition 1.0 2009-06

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Connectors for electronic equipment – Product requirements –  
Part 3-115: Rectangular connectors – Detail specification for protective housings  
for use with 8-way shielded and unshielded connectors for frequencies up to  
600 MHz for industrial environments incorporating the IEC 60603-7 series  
interface – Variant 12 related to IEC 61076-3-106 – Push-pull type**

**Connecteurs pour équipements électroniques – Exigences de produit –  
Partie 3-115: Connecteurs rectangulaires – Spécification particulière pour  
boîtiers de protection utilisés avec des connecteurs blindés et non blindés à  
8 voies pour des fréquences inférieures ou égales à 600 MHz dans des  
environnements industriels incorporant l'interface série CEI 60603-7 – Variante  
12 liée à la CEI 61076-3-106 – Type d'accouplement pousser-tirer**

INTERNATIONAL  
ELECTROTECHNICAL  
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COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

PRICE CODE  
CODE PRIX

T

ICS 31.220.10

ISBN 2-8318-1046-5

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

CONNECTORS FOR ELECTRONIC EQUIPMENT –  
PRODUCT REQUIREMENTS –**Part 3-115: Rectangular connectors – Detail specification for protective housings for use with 8-way shielded and unshielded connectors for frequencies up to 600 MHz for industrial environments incorporating the IEC 60603-7 series interface – Variant 12 related to IEC 61076-3-106 – Push-pull type**

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International Standard IEC 61076-3-115 has been prepared by subcommittee 48B: Connectors, of IEC technical committee 48: Electromechanical components and mechanical structures for electronic equipment.

This International Standard cancels and replaces IEC/PAS 61076-3-115 (2005).

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

| FDIS          | Report on voting |
|---------------|------------------|
| 48B/2011/FDIS | 48B/2044/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.

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

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 maintenance result 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

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## INTRODUCTION

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