



NSAI
Standards

Irish Standard
I.S. EN 61076-3-116:2008

Connectors for electronic equipment -
Product requirements -- Part 3-116:
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 13
related to IEC 61076-3-106 - Locking

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Incorporating amendments/corrigenda issued since publication:

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EUROPEAN STANDARD
NORME EUROPÉENNE
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EN 61076-3-116

November 2008

ICS 31.220.10

English version

**Connectors for electronic equipment - Product requirements -
Part 3-116: 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 13 related to IEC 61076-3-106 - Locking lever
(IEC 61076-3-116:2008)**

Connecteurs pour équipements électroniques -
Exigences de produit -
Partie 3-116: 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 13 liée à la CEI 61076-3-106 -
Lever de verrouillage
(CEI 61076-3-116:2008)

Steckverbinder für elektronische Einrichtungen -
Produktanforderungen -
Teil 3-116: 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 13 zu IEC 61076-3-106 -
Verriegelungshebel
(IEC 61076-3-116:2008)

This European Standard was approved by CENELEC on 2008-10-01. 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

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Foreword

The text of document 48B/1916/FDIS, future edition 1 of IEC 61076-3-116, 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 61076-3-116 on 2008-10-01.

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) 2009-07-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2011-10-01

The International Electrotechnical Commission (IEC) and CENELEC draw attention to the fact that it is claimed that compliance with this document may involve the use of a patent concerning Amphenol ¹⁾.

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

The holder of this patent right has assured the IEC that he/she is willing to negotiate licences under reasonable and non-discriminatory terms and conditions with applicants throughout the world. In this respect, the statement of the holder of this patent right is registered with IEC. Information may be obtained from:

Amphenol Socapex S.A.S.
948 Promenade de l'Arve
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74311 Thyez cedex, France

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

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61076-3-116:2008 was approved by CENELEC as a European Standard without any modification.

¹⁾ Amphenol is the trade name of Amphenol Socapex S.A.S. This information is given for the information of users of this International Standard and does not constitute an endorsement by IEC of the trademark holder or any of its products. Compliance to this profile does not require use of the trade name Amphenol. Use of the trade name Amphenol requires permission from Amphenol Socapex S.A.S.

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	1978	International Electrotechnical Vocabulary (IEV) - Chapter 581: Electromechanical components for electronic equipment	-	-
IEC 60068-1	- ¹⁾	Environmental testing - Part 1: General and guidance	EN 60068-1	1994 ²⁾
IEC 60068-2-14	- ¹⁾	Environmental testing - Part 2: Tests - Test N: Change of temperature	EN 60068-2-14	1999 ²⁾
IEC 60068-2-30	- ¹⁾	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)	EN 60068-2-30	2005 ²⁾
IEC 60512-1	- ¹⁾	Connectors for electronic equipment - Tests and measurements - Part 1: General	EN 60512-1	2001 ²⁾
IEC 60512-1-100	- ¹⁾	Connectors for electronic equipment - Tests and measurements - Part 1-100: General - Applicable publications	EN 60512-1-100	2006 ²⁾
IEC 60529	- ¹⁾	Degrees of protection provided by enclosures (IP Code)	EN 60529 + corr. May	1991 ²⁾ 1993
IEC 60603-7	- ¹⁾	Connectors for electronic equipment - Part 7: Detail specification for 8-way, unshielded, free and fixed connectors	EN 60603-7	200X ³⁾
IEC 60603-7-1	- ¹⁾	Connectors for electronic equipment - Part 7-1: Detail specification for 8-way, shielded free and fixed connectors with common mating features, with assessed quality	EN 60603-7-1	2002 ²⁾
IEC 60603-7-2	- ¹⁾	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	200X ³⁾
IEC 60603-7-3	- ¹⁾	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	200X ³⁾

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

³⁾ To be ratified.

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60603-7-4	- ¹⁾	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	2005 ²⁾
IEC 60603-7-5	- ¹⁾	Connectors for electronic equipment - Part 7-5: Detail specification for 8-way, shielded, free and fixed connectors, for data transmissions with frequencies up to 250 MHz	EN 60603-7-5	200X ³⁾
IEC 60603-7-7	- ¹⁾	Connectors for electronic equipment - Part 7-7: Detail specification for 8-way, shielded, free and fixed connectors for data transmission with frequencies up to 600 MHz	EN 60603-7-7	2006 ²⁾
IEC 60664-1	- ¹⁾	Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests	EN 60664-1	2007 ²⁾
IEC 61076-1	- ¹⁾	Connectors for electronic equipment - Product requirements - Part 1: Generic specification	EN 61076-1	2006 ²⁾
IEC 61156-2	- ¹⁾	Multicore and symmetrical pair/quad cables for digital communications - Part 2: Horizontal floor wiring - Sectional specification	-	-
IEC 61156-3	- ¹⁾	Multicore and symmetrical pair/quad cables for digital communications - Part 3: Work area wiring - Sectional specification	-	-
IEC 61156-4	- ¹⁾	Multicore and symmetrical pair/quad cables for digital communications - Part 4: Riser cables - Sectional specification	-	-

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