SLOVENSKI STANDARD
SIST EN 61076-2-106:2011

01-oktober-2011

Konektorji za elektronsko opremo - Zahteve za izdelek - 2-106. del: Okrogli konektorji - Podrobna specifikacija za konektorje m 16 x 0,75 z vijačno zaporo in zaščitno stopnjo ip40 ali ip65/67

Connectors for electronic equipment - Product requirements - Part 2-106: Circular connectors - Detail specification for connectors m 16 x 0,75 with screw-locking and degree of protection ip40 or ip65/67

Connecteurs pour équipements électroniques - Exigences relatives aux produits - Partie 2-106: Connecteurs circulaires - Spécification particulière pour les connecteurs m 16 x 0,75 à vis de degré de protection ip40 ou ip65/67

Ta slovenski standard je istoveten z: EN 61076-2-106:2011

ICS:

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

SIST EN 61076-2-106:2011 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61076-2-106

August 2011

ICS 13.220.10

English version

Connectors for electronic equipment - Product requirements - Part 2-106: Circular connectors - Detail specification for connectors M 16 x 0,75 with screw-locking and degree of protection IP40 or IP65/67

(IEC 61076-2-106:2011)

Connecteurs pour équipements électroniques - Exigences de produits - Partie 2-106: Connecteurs circulaires - Spécification particulière pour les connecteurs M 16 x 0,75 à vis de degré de protection IP40 ou IP65/67 (CEI 61076-2-106:2011)

Steckverbinder für elektronische Einrichtungen - Produktanforderungen - Teil 2-106: Rundsteckverbinder - Bauartspezifikation für Steckverbinder M16 x 0,75 mit Schraubverriegelung und Schutzart IP40 oder IP65/67 (IEC 61076-2-106:2011)

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CENELEC

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

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Foreword

The text of document (48B/2239/FDIS), future edition 1 of IEC 61076-2-106, 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 61076-2-106 on 2011-07-26.

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)	2012-04-26
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2014-07-26

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61076-2-106:2011 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60130-9 NOTE Harmonized as EN 60130-9.

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.

Publication	Year	Title	EN/HD	Year
IEC 60050-581	-	International Electrotechnical Vocabulary - Part 581: Electromechanical components for electronic equipment	-	-
IEC 60068-1 + corr. October +A1	1988 1988 1992	Environmental testing - Part 1: General and guidance	EN 60068-1[1)]	1994
IEC 60352-2	-	Solderless connections - Part 2: Crimped connections - General requirements, test methods and practical guidance	EN 60352-2	-
IEC 60512	Series	Connectors for electronic equipment - Tests and measurements	EN 60512	Series
IEC 60512-1-100	-	Connectors for electronic equipment - Tests and measurements - Part 1-100: General - Applicable publications	EN 60512-1-100	-
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529 + corr. May	1991 1993
IEC 60664-1	2007	Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests	EN 60664-1	2007
IEC 61076-1	-	Connectors for electronic equipment - Product requirements - Part 1: Generic specification	EN 61076-1	-
IEC 61076-2	-	Connectors for electronic equipment - Product requirements - Part 2: Sectional specification for circular connectors	EN 61076-2	-
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	-

[1)] EN 60068-1 includes A1 to IEC 60068-1 + corr. October .

IEC 61076-2-106

Edition 1.0 2011-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

colour inside

Connectors for electronic equipment – Product requirements – Part 2-106: Circular connectors – Detail specification for connectors M 16 × 0,75 with screw-locking and degree of protection IP40 or IP65/67

Connecteurs pour équipements électroniques – Exigences de produit – Partie 2-106: Connecteurs circulaires – Spécification particulière pour les connecteurs M 16 × 0,75 à vis de degré de protection IP40 ou IP65/67

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

PRICE CODE
CODE PRIX X

ICS 31.220.10

ISBN 978-2-88912-564-7

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**CONNECTORS FOR ELECTRONIC EQUIPMENT –
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Detail specification for connectors M 16 × 0,75
with screw-locking and degree of protection IP40 or IP65/67**

FOREWORD

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International Standard IEC 61076-2-106 has been prepared by subcommittee 48B: Connectors, of IEC technical committee 48: Electromechanical components and mechanical structures for electronic equipment.

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

FDIS	Report on voting
48/2239/FDIS	48/2246/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.

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

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.

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC SC 48B – Connectors	IEC 61076-2-106
ELECTRONIC COMPONENTS IN ACCORDANCE WITH IEC 61076-1	
 IEC 1500/11	Circular connectors M16 × 0,75 mm 2 to 8 poles, 12,14,19 poles Connectors with round contact Rewireable
	Free cable connectors Straight and right angle connectors Fixed connectors Flange mounting Rear mounting

CONNECTORS FOR ELECTRONIC EQUIPMENT – PRODUCT REQUIREMENTS –

Part 2-106: Circular connectors – Detail specification for connectors M 16 × 0,75 with screw-locking and degree of protection IP40 or IP65/67

1 Scope

This International Standard describes circular connectors with IP40 or IP65/67 protection degree, typically used for industrial process measurement and control. These connectors consist of fixed and free connectors, either rewireable or non-rewireable, with M16 × 0,75 screw-locking. Male connectors have round contacts ∅ 1,5 mm or ∅ 1,0 mm.

NOTE IEC 60130-9, Edition 3.0 specified connectors with a similar mating interface for radio and associated sound equipment. User of this standard should be aware that some of the IEC 60130-9 style could be mated to some connector styles of this standard. However, IEC 60130-9:2011 (Edition 4.0) no longer includes these styles.

2 Normative references

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.

IEC 60050-581, *International Electrotechnical Vocabulary – Part 581: Electromechanical components for electronic equipment*

IEC 60068-1:1988, *Environmental testing – Part 1: General and guidance*
Amendment 1 (1992)

IEC 60352-2, *Solderless connections – Part 2: Crimped connections – General requirements, test methods and practical guidance*

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

IEC 60512-1-100, *Connectors for electronic equipment – Tests and measurements – Part 1-100: General – Applicable publications*

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

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

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

IEC 61076-2, *Connectors for use in d.c., low-frequency analogue and digital high speed data applications – Part 2: Circular connectors with assessed quality – Sectional specification*

IEC 61984:2008, *Connectors –Safety requirements and tests*

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