

**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**

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 61076-2-106:2011 sisaldab Euroopa standardi EN 61076-2-106:2011 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 30.09.2011 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 26.08.2011.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 61076-2-106:2011 consists of the English text of the European standard EN 61076-2-106:2011.

This standard is ratified with the order of Estonian Centre for Standardisation dated 30.09.2011 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Date of Availability of the European standard text 26.08.2011.

The standard is available from Estonian standardisation organisation.

ICS 13.220.10

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**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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## 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.

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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.

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## 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.

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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	-	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 <sup>1)</sup>	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	-

<sup>1)</sup> EN 60068-1 includes A1 to IEC 60068-1 + corr. October .

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## 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 rewirable or non-rewirable, with M16 × 0,75 screw-locking. Male connectors have round contacts  $\varnothing$  1,5 mm or  $\varnothing$  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*