

**Sectional Specification: Rectangular
connectors for frequencies below 3 MHz**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 175300:2002 sisaldab Euroopa standardi EN 175300:1996 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.12.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 175300:2002 consists of the English text of the European standard EN 175300:1996.</p> <p>This document is endorsed on 18.12.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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English version

Sectional Specification:
Rectangular connectors for frequencies below 3 MHz

Spécification intermédiaire:
Connecteurs rectangulaires pour
fréquences inférieures à 3 MHz

Rahmenspezifikation:
Rechteckige Steckverbinder für
Frequenzen unter 3 MHz

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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

This European Standard was prepared by Working Group CLC/TC CECC/SC 48B (former WG 25).

It is based, wherever possible, on the Publications of the International Electrotechnical Commission and in particular on IEC 807-1: Rectangular connectors for frequencies below 3 MHz, Part 1: General requirements and guide for the preparation of detail specifications.

The text of the draft based on document CECC(Secretariat)3556 was submitted to the formal vote; together with the voting report, circulated as document CECC(Secretariat)3666, it was approved as EN 175300 on 1995-09-08.

This European Standard replaces EN 175300:1992.

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) 1996-09-15
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 1997-09-15

NOTE: This specification does not comply completely with the requirements of CECC 00 400.

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CECC SPECIFICATION SYSTEM for LF Connectors		
EN 175200	EN 61076-4	EN 175300
SECTIONAL SPECIFICATION for Circular Connectors	SECTIONAL SPECIFICATION for Printed Board Connectors	SECTIONAL SPECIFICATION for Rectangular Connectors
Scope General Tests & Test Schedules Quality Assessment Procedures Preparation of Detail Specifications		
EN 61076-2-001	EN 175101	EN 61076-3-001
EXAMPLE DETAIL SPECIFICATION/BLANK DETAIL SPECIFICATION	EXAMPLE DETAIL SPECIFICATION/BLANK DETAIL SPECIFICATION	EXAMPLE DETAIL SPECIFICATION/BLANK DETAIL SPECIFICATION
Provides an example of layout and the basis of a proforma for preparation of Detail Specifications		
CECC 75 201-8XX	CECC 75 101-8XX	CECC 75 301-8XX
DETAIL SPECIFICATION	DETAIL SPECIFICATION (Connector Type ...)	DETAIL SPECIFICATION
Description Type Designation Outline Drawings Characteristics Assessment Levels Test Schedules		

NOTE: Sectional specifications include generic data.

1 Scope

This Sectional Specification is applicable to rectangular connectors particularly designed for use in equipment for telecommunication, electronic data processing and in electronic devices employing similar techniques.

Connectors essentially designed for use at frequencies exceeding 3 MHz are not covered.

The object of this Sectional Specification is to establish uniform specifications and type test requirements for rectangular connectors and to establish rules for the preparation of Detail Specifications.

In the event of conflict between this Sectional Specification and a Detail Specification, the requirements of the Detail Specification shall prevail.

2 General

2.1 Related documents

EN 61076-3-001¹⁾ EDS/BDS Rectangular Connectors

CECC 00 007 Harmonization document for IEC 410: Sampling procedures and tables for inspection by attributes for electronic components of assessed quality

CECC 00 009 Harmonization document for IEC 512: Basic testing procedure and measuring methods for Electromechanical Components

CECC 00 100 Basic Rules

CECC 00114/II Rules of Procedure 14 - Part II: Qualifications Approval of Electronic Components

CECC 00114/III Rule of Procedure 14 - Part III: Capability Approval of an Electronic Component Manufacturing Activity

IEC 27 Letter symbols to be used in electrotechnology

IEC 50 (581) International Electrotechnical Vocabulary (IEV) - Chapter 581: Electromechanical components for electronic equipment

IEC 68-1 Basic environmental testing procedures - Part 1: General and Guidance

IEC 410 Sampling procedures and tables for inspection by attributes for electronic components of assessed quality (see CECC 00 007)

IEC 512 Electromechanical components for electronic equipment; basic testing procedures and measuring methods (see CECC 00 009)

1) In preparation

IEC 664-1	Insulation Coordination for Equipment within low voltage systems Principles, requirements and tests
IEC 807-1	Rectangular Connectors for frequencies below 3 MHz - Part 1: General requirements and guide for the preparation of detail specifications
ISO R 286	ISO systems of limits and fits - General tolerances and deviations
ISO R 1000	Rules for the use of units of the International system of units and selection of the decimal multiples and sub-multiples of the SI units
ISO 1101	Technical drawings geometrical tolerancing of form, orientation, location and run out-generalities, definitions symbols, indications on drawings

2.2 Terminology

The terminology used in and applicable to this specification is included in IEC 50(581).
IEC 512 also contains applicable terms.

For the purpose of this specification the following additional terms and definitions shall apply:

2.2.1 hybrid connectors

Detailed specifications in accordance with this Sectional Specification which contain integrated hybrid elements from other Sectional Specifications in the CECC system shall be permitted providing that:

- a) The hybridising elements are assessed using the appropriate test method from its sectional specification e.g. CECC 22 000 for RF contacts, CECC 86 000 for optical contacts, or Generic Specification, CECC 33 000 for integrated filter contacts.
- b) Where such test methods are not published in existing specifications they shall be included as Annex to the Detail Specification.

2.2.2 group of related connectors

A group of connectors within a sub-family having common features. Typical examples are:

- same mounting features but different kinds and number of contacts, or,
- same coupling features but different inserts and types of contacts.

A group of related connectors is covered by a single Detail Specification.