EESTI STANDARD EVS-EN 122130:2003

Sectional Specification: radio frequency Coaxial Connectors. Series SMB

Sectional Specification: radio frequency Coaxial Connectors. Series SMB

EESTI STANDARDIKESKUS

EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN 122130:2003 sisaldab Euroopa standardi EN 122130:1993 ingliskeelset teksti. Käesolev dokument on jõustatud 05.02.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 122130:2003 consists of the English text of the European standard EN 122130:1993. This document is endorsed on 05.02.2003 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: Sectional Specification: Radio Frequency Coaxial Connectors. Series SMB	**Scope:** Sectional Specification: Radio Frequency Coaxial Connectors. Series SMB

ICS 33.120.30

Võtmesõnad: coaxial connectors, components, connecting dimensions, electric plugs, electrical engineering, electronic, electronic equ, electronic equipment and components, properties, quality, radiofrequency connectors, radio-frequency plugs, sectional specification, testing

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 122130

May 1993

Supersedes CECC 22 130 Issue 1: 1984

Descriptors: Quality, electronic components, connectors

English version

Sectional specification: Radio frequency coaxial connectors. Series SMB

Spécification intermédiaire: Connecteurs coaxiaux pour fréquence radioélectrique. Série SMB

Rahmenspezifikation: Hochfrequenz-Koaxial-Steckverbinder. Serie SMB

This European Standard was approved by CENELEC Electronic Components Committee (CECC) on 7 May 1993. 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CECC

CENELEC Electronic Components Committee
Comité des Composants Electroniques du CENELEC
CENELEC - Komitee für Bauelemente der Elektronik

General Secretariat: Gartenstr. 179, W-6000 Frankfurt/Main 70

Ref. No. EN 122130 : 1993 E

Foreword

The CENELEC Electronic Components Committee (CECC) is composed of those member countries of the European Committee for Electrotechnical Standardization (CENELEC) who wish to take part in a harmonized System for electronic components of assessed quality.

The object of the System is to facilitate international trade by the harmonization of the specifications and quality assessment procedures for electronic components, and by the grant of an internationally recognized Mark, or Certificate, of Conformity. The components produced under the System are thereby acceptable in all member countries without further testing.

This European Standard was prepared by CECC WG 22, 'RF Connectors'.

The text of the draft based on document CECC 22 130 Issue 1 : 1994 (with A1 to A3) was submitted to the formal vote for conversion to a European Standard; together with the voting report, circulated as document CECC(Secretariat)3339, it was approved by CECC as EN 122130 on 7 May 1993.

The following dates were fixed:

- latest date of announcement of the EN at national level (doa) 1993-09-03
- latest date of publication of an identical national standard* (dop) 1994-03-03
- latest date of withdrawal of conflicting national standards* (dow) 1995-03-03

* National Standard (excluding National implementation of IECQ Specifications).

CONTENTS

FOREWORD

The CENELEC Electronic Components Committee (CECC) is composed of those member countries of the European Committee for Electrotechnical Standardization (CENELEC) who wish to take part in a harmonized system for electronic components of assessed quality.

The object of the System is to facilitate international trade by the harmonization of the specifications and quality assessment procedures for electronic components, and by the grant of an internationally recognized Mark, or Certificate of Conformity. The components produced under the System are thereby accepted by all member countries without further testing.

This specification has been formally approved by the CECC and has been prepared for those countries taking part in the System who wish to issue national harmonized specifications for RADIO FREQUENCY COAXIAL CONNECTORS AND ACCESSORIES SERIES SMB. It should be read in conjunction with the current regulations for the CECC System.

At the date of printing of this specification the member countries of the CECC are Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom, and copies of it can be obtained from the addresses shown on the blue flysheet.

PREFACE

This sectional specification (SS) was prepared by CECC Working Group 22: R.F. Connectors.

It is based, wherever possible, on the Publications of the International Electrotechnical Commission and in particular on IEC 169-10 Radio-frequency connectors, Part 10: R.F. coaxial connectors with inner diameter of outer conductor 3 mm (0,12 in) with snap-on coupling - Characteristic impedance 50 Ω (Type SMB). Technical deviations from IEC 169-10 are indicated by vertical lines.

This SS and its associated blank detail specification(s) (BDS) are specific to Series SMB radio frequency connectors and their related accessories.

The text of this specification was circulated to the CECC for voting in the documents listed below and was ratified by the President of the CECC for printing as a CECC specification:

Document	Voting date	Report on the Voting
CECC (Secretariat) 927	July 1980	CECC (Secretariat) 1008
CECC (Secretariat) 1231	December 1982	CECC (Secretariat) 1318

Series SMB connectors have a characteristic impedance of 50 Ω and are normally used for low power applications, in conjunction with flexible coaxial cables having a dielectric diameter of 0,86 to 1,6 mm. The connectors are usable up to a frequency of at least 4 GHz, and may be used at higher frequencies if a reflection factor greater than 0,15 can be tolerated for straight connectors and 0,24 for right-angle styles.