



SLOVENSKI STANDARD

SIST EN 61169-19:2011

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Radiofrekvenčni konektorji - 19. del: Področna specifikacija - Radiofrekvenčni koaksialni konektorji vrste SSMB (IEC 61169-19:2011)

Radio-frequency connectors - Part 19: Sectional specification - Radio frequency coaxial connectors of type SSMB (IEC 61169-19:2011)

Hochfrequenz-Steckverbinder - Teil 19: Rahmenspezifikation - Hochfrequenz-Koaxial-Steckverbinder des Typs SSMB (IEC 61169-19:2011)

Connecteurs pour fréquences radioélectriques - Partie 19: Spécification intermédiaire - Connecteurs coaxiaux pour fréquences radioélectriques de type SSMB (CEI 61169-19:2011)

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33.120.30 Radiofrekvenčni konektorji R.F. connectors
(RF)

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en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61169-19

March 2011

ICS 33.120.30

English version

**Radio-frequency connectors -
Part 19: Sectional specification -
Radio frequency coaxial connectors of type SSMB
(IEC 61169-19:2011)**

Connecteurs pour fréquences
radioélectriques -
Partie 19: Spécification intermédiaire -
Connecteurs coaxiaux pour fréquences
radioélectriques de type SSMB
(CEI 61169-19:2011)

Hochfrequenz-Steckverbinder -
Teil 19: Rahmenspezifikation -
Hochfrequenz-Koaxial-Steckverbinder des
Typs SSMB
(IEC 61169-19:2011)

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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, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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 46F/138/CDV, future edition 1 of IEC 61169-19, prepared by SC 46F, R.F. and microwave passive components, of IEC TC 46, Cables, wires, waveguides, R.F. connectors, R.F. and microwave passive components and accessories, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61169-19 on 2011-03-03.

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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) 2011-12-03
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2014-03-03

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61169-19:2011 was approved by CENELEC as a European Standard without any modification. (standards.iteh.ai)

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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 61169-1	1992	Radio-frequency connectors -	EN 61169-1	1994
A1	1996	Part 1: Generic specification - General	A1	1996
A2	1997	requirements and measuring methods	A2	1997

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Edition 1.0 2011-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Radio-frequency connectors –
Part 19: Sectional specification – Radio frequency coaxial connectors of type
SSMB**

**Connecteurs pour fréquences radioélectriques –
Partie 19: Spécification intermédiaire – Connecteurs coaxiaux pour fréquences
radioélectriques de type SSMB**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

RADIO-FREQUENCY CONNECTORS –**Part 19: Sectional specification –
Radio frequency coaxial connectors of type SSMB**

FOREWORD

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International Standard IEC 61169-19 has been prepared by subcommittee 46F: R.F. and microwave passive components, of IEC technical committee 46: Cables, wires, waveguides, R.F. connectors, R.F. and microwave passive components and accessories.

This first edition cancels and replaces IEC/PAS 61169-19, published in 2009, of which it constitutes a minor revision. The only change is that the PAS has been changed into and International Standard.

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

CDV	Report on voting
46F/138/CDV	46F/163/RVC

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 61169 series, published under the general title *Radio-frequency connectors*, 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 publication using a colour printer.

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RADIO-FREQUENCY CONNECTORS –

Part 19: Sectional specification – Radio frequency coaxial connectors of type SSMB

1 Scope

The SSMB series connectors with characteristic impedance 50Ω are one kind of low power miniature connectors with snap-on coupling mechanism and have the characteristics of light weight, small size, convenient connection and excellent characteristics. This connector range is suitable for the standard ranges of flexible and semi-rigid cables and is also available as a PCB mounted version. The connectors are usable up to a frequency of 3 GHz.

This sectional specification provides information and rules for preparation of detail specification of SSMB series R.F connectors together with the pro forma blank detail specification.

It also prescribes mating face dimensions for grade 2 general purpose connectors, dimensional detail of grade 0 standard test connectors, gauging information and tests selected from IEC 61169-1 applicable to all detail specifications relating to SSMB series RF connectors.

This specification indicates recommended performance characteristics to be considered when writing a detail specification and it covers test schedules and inspection requirements for assessment levels M and H.

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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 61169-1:1992, *Radio-frequency connectors – Part 1: Generic specification – General requirements and measuring methods*¹

Amendment 1 (1996)

Amendment 2 (1997)

3 Mating face and gauge information

3.1 Dimensions – General purpose connectors – Grade 2

3.1.1 Connector with socket-centre contact

All non-dimensioned pictorial configurations are for reference purpose only.

¹ There exists a consolidated edition 1.2 (1998) that comprises IEC 61169-1:1992, its Amendment 1:1996 and its Amendment 2:1997.