SLOVENSKI STANDARD
SIST EN 61169-49:2015

01-julij-2015

Radiofrekvenčni konektorji - 49. del: Področna specifikacija za serijo radiofrekvenčmih SMAA-konektorjev (IEC 61169-49:2014)

Radio-frequency connectors - Part 49: Sectional specification for SMAA series R.F connectors (IEC 61169-49:2014)

Hochfrequenz-Steckverbinder - Teil 49: Rahmenspezifikation für Hochfrequenz-Steckverbinder der Serie SMAA (IEC 61169-49:2014)

Connecteurs pour fréquences radioélectriques - Partie 49: Spécification intermédiaire relative aux connecteurs RF série SMAA (CEI 61169-49:2014)

Ta slovenski standard je istoveten z: **EN 61169-49:2014**

ICS:

33.120.30	Radiofrekvenčni konektorji (RF)	R.F. connectors

SIST EN 61169-49:2015 **en**

EUROPEAN STANDARD

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English Version

Radio-frequency connectors - Part 49: Sectional specification for SMAA series R.F connectors (IEC 61169-49:2014)

Connecteurs pour fréquences radioélectriques - Partie 49: Spécification intermédiaire relative aux connecteurs RF série SMAA
(CEI 61169-49:2014)

Hochfrequenz-Steckverbinder - Teil 49: Rahmenspezifikation für Hochfrequenz-Steckverbinder der Serie SMAA
(IEC 61169-49:2014)

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Ref. No. EN 61169-49:2014 E

Foreword

The text of document 46F/259/FDIS, future edition 1 of IEC 61169-49, 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 approved by CENELEC as EN 61169-49:2014.

The following dates are fixed:

• latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2015-05-21
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2017-06-12

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The text of the International Standard IEC 61169-49:2014 was approved by CENELEC as a European Standard without any modification.

IEC 61169-35	NOTE	Harmonised as EN 61169-35.

Annex ZA
(normative)
Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60068-1	-	Environmental testing -- Part 1: General and guidance	EN 60068-1	-
IEC 61169-1	2013	Radio-frequency connectors -- Part 1: Generic specification - General requirements and measuring methods	EN 61169-1	2013
IEC 62037	series	Passive RF and microwave devices, intermodulation level measurement -- Part 1: General requirements and measuring methods	EN 62037	series

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

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Part 49: Sectional specification for SMAA series RF connectors

Connecteurs pour fréquences radioélectriques –
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FOREWORD

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International Standard IEC 61169-49 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.

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

FDIS	Report on voting
46F/259/FDIS	46F/268/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 61169 series, 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 document using a colour printer.

RADIO-FREQUENCY CONNECTORS –

Part 49: Sectional specification for SMAA series R.F connectors

1 Scope

This part of IEC 61169, which is a sectional specification (SS) , provides information and rules for the preparation of detail specifications (DS) for type SMAA series thread mated coaxial connectors.

The connectors are normally used for micro wave applications, connecting with 50 Ω RF cables or microstrips in an operating range up to 27 GHz.

These connectors can be intermated with SMA (IEC 60169-15), 3,5 mm (IEEE 287-2007), 2,92 mm (IEC 61169-35) connectors.

It also prescribes mating face dimensions for high performance connectors grade 1, dimensional details of standard test connectors grade 0, for general purpose with gauging information and the mandatory tests selected from IEC 61169-1, applicable to all detail specifications relative to type SMAA connectors.

This specification indicates the recommended performance characteristics to be considered when writing a DS and covers all tests schedules and inspection requirements.

NOTE Metric dimension are original dimensions.

All undimensioned pictorial configurations are for reference purpose only.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 61169-1:2013, *Radio frequency connectors – Part 1: Generic specification – General requirements and measuring methods*

IEC 60068-1, *Environmental testing – Part 1: General and guidance*

IEC 62037 (all parts), *Passive RF and microwave devices, intermodulation level measurement*