



SLOVENSKI STANDARD

SIST EN 61169-44:2013

01-oktober-2013

Radiofrekvenčni konektorji - 44. del: Področna specifikacija za serijo koaksialnih natičnih radiofrekvenčnih SMP konektorjev

Radio-frequency connectors - Part 44: Sectional specification for series SMP push-on radio-frequency coaxial connectors

Hochfrequenz-Steckverbinder - Teil 44: Rahmenspezifikation für koaxiale HF-Steckverbinder der SMP-Serie

Connecteurs pour fréquences radioélectriques -- Partie 44: Spécification intermédiaire relative aux connecteurs coaxiaux pour fréquences radioélectriques glissants, série SMP

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Ta slovenski standard je istoveten z: EN 61169-44:2013

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33.120.30 Radiofrekvenčni konektorji R.F. connectors
(RF)

SIST EN 61169-44:2013

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61169-44

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English version

**Radio-frequency connectors -
Part 44: Sectional specification for series SMP push-on radio-frequency
coaxial connectors
(IEC 61169-44:2012)**

Connecteurs pour fréquences
radioélectriques -
Partie 44: Spécification intermédiaire
relative aux connecteurs coaxiaux pour
fréquences radioélectriques glissants,
série SMP
(CEI 61169-44:2012)

Hochfrequenz-Steckverbinder -
Teil 44: Rahmenspezifikation für koaxiale
HF-Steckverbinder der SMP-Serie mit
Push-on-Einrastmechanismus
(IEC 61169-44:2012)

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 46F/184/CDV, future edition 1 of IEC 61169-44, 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 61169-44:2013.

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) 2013-12-14
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-01-16

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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 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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INTERNATIONAL STANDARD



**Radio-frequency connectors –
Part 44: Sectional specification for series SMP push-on radio-frequency coaxial
connectors**

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CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references	6
3 Mating face and gauge information	7
3.1 Dimensions – General connectors – Grade 1.....	7
3.1.1 Connector with pin-centre contact.....	7
3.1.2 Connector with socket-centre contact	10
3.2 Gauges	11
3.2.1 Gauge pin for socket-centre contact	11
3.2.2 Gauge for outer contact of connector with socket-centre contact	12
3.3 Dimensions – standard test connectors – grade 0.....	16
3.3.1 Connector with pin-centre contact.....	16
3.3.2 Connector with socket-centre contact	18
4 Quality assessment procedure.....	19
4.1 General.....	19
4.2 Rating and characteristics (see Clause 6 of IEC 61169-1)	19
4.3 Test schedule and inspection requirements-Acceptance tests	23
4.3.1 Periodic tests.....	23
4.4 Procedures.....	25
4.4.1 Quality conformance inspection.....	25
4.4.2 Qualification approval and its maintenance.....	25
5 Instructions for preparation of detail specifications.....	25
5.1 General.....	25
5.2 Identification of the component.....	25
5.3 Performance.....	26
5.4 Marking, ordering information and related matters	26
5.5 Selection of tests, test conditions and severities.....	26
5.6 Blank detail specification pro-forma for series SMP connectors	27
Figure 1 – Connector with pin-centre contact – Limited detent and full detent (for dimensions and notes, see Table 1).....	7
Figure 2 – Connector with pin- centre contact – Smooth bore (for dimensions and notes, see Table 2).....	8
Figure 3 – Connector with pin- centre contact – Catchers mit (for dimensions and notes, see Table 3).....	9
Figure 4 – Connector with socket-centre contact (for dimensions and notes, see Table 4).....	10
Figure 5 – Gauge pin for socket-centre contact (for dimensions and notes, see Table 5)	11
Figure 6 – Gauge with limited detent for outer contact of connector with socket-outer contact (for dimensions and notes, see Table 6)	12
Figure 7 – Gauge pin – Full detent for outer contact of connector with socket-centre (for dimensions and notes, see Table 7)	13
Figure 8 – Gauge pin – Smooth bore for outer contact of connector with socket-centre (for dimensions and notes, see Table 8)	15
Figure 9 – Connector with pin- centre contact – Limited detent and full detent (for dimensions and notes, see Table 9).....	16

Figure 10 – Connector with pin- centre contact – Smooth bore (for dimensions and notes, see Table 10)	17
Figure 11 – Connector with socket-centre contact (for dimensions and notes, see Table 11)	18
Table 1 – Dimensions of connector with pin-centre contact – Limited detent and full detent	7
Table 2 – Dimensions of connector with pin-centre contact – Smooth bore	8
Table 3 – Dimensions of connector with pin-centre contact – Catchers mit.....	9
Table 4 – Dimensions of connector with socket-centre contact.....	10
Table 5 – Dimensions of gauge pin for socket-centre contact.....	11
Table 6 – Gauge with limited detent for outer contact of connector with socket-outer contact.....	12
Table 7 – Gauge pin – Full detent for outer contact of connector with socket-centre	14
Table 8 – Gauge pin – Smooth bore for outer contact of connector with socket-centre	15
Table 9 – Dimensions of connector with pin-centre contact – Limited detent and full detent	16
Table 10 – Dimensions of connector with pin-centre contact – Smooth bore	17
Table 11 – Dimensions of connector with socket-centre contact.....	18
Table 12 – Rating and characteristics	19
Table 13 – Acceptance tests	23
Table 14 – Periodic tests	24

INTERNATIONAL ELECTROTECHNICAL COMMISSION

RADIO-FREQUENCY CONNECTORS –**Part 44: Sectional specification for series SMP
push-on radio-frequency coaxial connectors**

FOREWORD

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International Standard IEC 61169-44 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 61169-44, published in 2010, of which it constitutes a minor revision. The only change is that the PAS has been changed into an International Standard.

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

CDV	Report on voting
46F/184/CDV	46F/194/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.

A bilingual version of this publication may be issued at a later date.

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RADIO-FREQUENCY CONNECTORS –

Part 44: Sectional specification for series SMP push-on radio-frequency coaxial connectors

1 Scope

This part of IEC 61169 which is a sectional specification (SS) provides information and rules for preparation of detail specification of SMP series push-on RF coaxial connectors together with the pro-forma blank detail specification.

The SMP push-on series connectors with characteristic impedance of 50 Ω are used with RF cables or micro-strips in microwave, telecommunication, wireless and other fields. The operating frequency limit is up to 40 GHz.

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

This specification indicates the 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.

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

Amendment 1:1996

Amendment 2:1997

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