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Radio-frequency connectors - Part 52: Sectional specification for series MMCX RF coaxial connectors

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/16

Obsahuje: EN 61169-52:2015, IEC 61169-52:2015

Oznámením tejto normy sa od 10.07.2018 ruší
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Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy
rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

English Version

**Radio-frequency connectors - Part 52: Sectional specification for series MMCX RF coaxial connectors
(IEC 61169-52:2015)**

Connecteurs pour fréquences radioélectriques -
Partie 52: Spécification intermédiaire relative aux
connecteurs coaxiaux pour fréquences radioélectriques
série MMCX
(IEC 61169-52:2015)

Hochfrequenz-Steckverbinder -
Teil 52: Rahmenspezifikation für koaxiale HF-
Steckverbinder der Serie MMCX
(IEC 61169-52:2015)

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

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European foreword

The text of document 46F/314/FDIS, future edition 1 of IEC 61169-52, 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 61169-52:2015.

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) 2016-04-10
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-07-10

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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 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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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	EN 62037	Series



INTERNATIONAL STANDARD



**Radio-frequency connectors –
Part 52: Sectional specification for series MMCX RF coaxial connectors**





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INTERNATIONAL STANDARD



**Radio-frequency connectors –
Part 52: Sectional specification for series MMCX RF coaxial connectors**

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CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references.....	6
3 Mating face and gauge information.....	6
3.1 Dimensions – General connectors – Grade 2	6
3.1.1 Connector with pin centre contact.....	6
3.1.2 Connector with socket centre contact	7
3.2 Gauges.....	8
3.2.1 Gauge pin for socket centre contact	8
3.2.2 Gauge for outer contact.....	9
3.3 Dimensions – Standard test connectors – Grade 0	11
3.3.1 Connector with pin centre contact.....	11
3.3.2 Connector with socket centre contact	12
4 Quality assessment procedure	13
4.1 General.....	13
4.2 Rating and characteristics (see Clause 5 of IEC 61169-1:2013).....	13
4.3 Test schedule and inspection requirements.....	15
4.3.1 Acceptance tests.....	15
4.3.2 Periodic tests.....	16
4.4 Procedures for the qualification approval	18
4.4.1 Quality conformance inspection.....	18
4.4.2 Qualification approval and its maintenance	18
5 Instructions for preparation of detail specifications (DS)	18
5.1 General.....	18
5.2 Identification of the component.....	18
5.3 Performances.....	19
5.4 Marking, ordering information and related matters.....	19
5.5 Selection of tests, test conditions and severities	19
5.6 Blank detail specification pro-forma for type MMCX connector.....	20
6 Marking	24
6.1 Marking of component.....	24
6.2 Marking and contents of package	24
Figure 1 – Connector with pin centre contact.....	7
Figure 2 – Connector with socket centre contact.....	8
Figure 3 – Gauge pin for socket centre contact.....	9
Figure 4 – Gauge for outer contact.....	10
Figure 5 – Connector with pin centre contact.....	11
Figure 6 – Connector with socket centre contact.....	12
Table 1 – Dimensions of connector with pin centre contact	7
Table 2 – Dimensions of connector with socket centre contact	8
Table 3 – Dimensions of gauge pin for socket centre contact	9
Table 4 – Dimensions of gauge for outer contact	10
Table 5 – Dimensions of connector with pin centre contact	11

Table 6 – Dimensions of connector with socket centre contact	12
Table 7 – Preferred climatic categories (see IEC 60068-1).....	13
Table 8 – Rating and characteristics.....	13
Table 9 – Acceptance tests	16
Table 10 – Periodic tests	16

INTERNATIONAL ELECTROTECHNICAL COMMISSION

RADIO-FREQUENCY CONNECTORS –**Part 52: Sectional specification for series MMCX RF coaxial connectors**

FOREWORD

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International Standard IEC 61169-52 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/314/FDIS	46F/320/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 website 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 52: Sectional specification for series MMCX RF coaxial 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 RF coaxial connectors with snap-on coupling, typically for use in 50 Ω cable networks (MMCX).

It prescribes mating face dimensions for general purpose connectors – grade 2, 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 MMCX 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.

The MMCX miniature snap-on coupling structure series R.F. coaxial connector with the characteristic of normative impedance 50 Ω are used with various kinds of R.F cables and strips. The operating frequency limit is up to 6 GHz.

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*

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