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

IEC 61169-52 Ed 1.0: RADIO FREQUENCY CONNECTORS –
Part 52: Sectional specification for series MMCX RF coaxial connectors

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**ATTENTION**

**VOTE PARALLÈLE**

CEI – CENELEC

L'attention des Comités nationaux de la CEI membres du CENELEC, est attirée sur le fait que ce projet de comité pour vote (CDV) de Norme internationale est soumis au vote parallèle.

Un bulletin de vote séparé pour le vote CENELEC leur sera envoyé par le Secrétariat Central du CENELEC.

**ATTENTION**

**IEC – CENELEC PARALLEL VOTING**

The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) for an International Standard is submitted for parallel voting.

A separate form for CENELEC voting will be sent to them by the CENELEC Central Secretariat.
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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:

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<td>46F/XX/RVD</td>
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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• withdrawn,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.

The National Committees are requested to note that for this publication the stability date is 2022.

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.
**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 \( \Omega \) 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 \( \Omega \) are used with varies 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 60068-1, *Environmental testing – Part 1: General and guidance*

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