

INTERNATIONAL STANDARD

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**Radio-frequency connectors –
Part 39: Sectional specification for CQM series quick lock RF connectors**

**Connecteurs pour fréquences radioélectriques –
Partie 39: Spécification intermédiaire pour les connecteurs RF à verrouillage
rapide de la série CQM**



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RADIO-FREQUENCY CONNECTORS –**Part 39: Sectional specification for CQM series quick lock RF connectors**

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International Standard IEC 61169-39 has been prepared by subcommittee 46F: RF and microwave passive components, of IEC technical committee 46: Cables, wires, waveguides, R.F. connectors, R.F. and microwave passive components and accessories.

This bilingual version, published in 2011-04, corresponds to the English version.

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

CDV	Report on voting
46F/107/CDV	46F/133/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.

The French version of this standard has not been voted upon

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

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- withdrawn,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 list of all parts of the IEC 61169 series can be found, under the general title *Radio-frequency connectors*, on the IEC website.

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RADIO-FREQUENCY CONNECTORS –

Part 39: Sectional specification for CQM series quick lock RF connectors

1 Scope

CQM series quick lock connectors with characteristic impedance 50 Ω are used for high power microwave applications, connecting with RF cables or microstrips. The operating frequency limit is at least 4 GHz.

This sectional specification provides information and rules for the preparation of detail specifications for CQM series quick lock RF connectors together with the pro forma blank detail specification (DS).

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

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*

3 Mating interface and gauge information

All undimensioned pictorial configurations are for reference purposes only.