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Standards

Irish Standard
I.S. EN 61169-45:2014

Radio-frequency connectors -Part 45: Sectional specification for series SQMA series quick lock RF coaxial connectors

I.S. EN 61169-45:2014

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August 2014

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English Version

Radio-frequency connectors -Part 45: Sectional specification for series SQMA series quick lock RF coaxial connectors (IEC 61169-45:2014)

Connecteurs pour fréquences radioélectriques - Partie 45:
Spécification intermédiaire relative aux connecteurs
coaxiaux RF à verrouillage rapide, série SQMA
(CEI 61169-45:2014)

Hochfrequenz-Steckverbinder - Teil 45:
Rahmenspezifikation für koaxiale HF Steckverbinder der
SQMA-Serie mit Schnellverriegelung
(IEC 61169-45:2014)

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

Foreword

The text of document 46F/238/CDV, future edition 1 of IEC 61169-45, 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 61169-45:2014.

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Annex ZA

(normative)

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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 61169-1	2013	Radio-frequency connectors -- Part 1: Generic specification - General requirements and measuring methods	EN 61169-1	2013

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IEC 61169-45

Edition 1.0 2014-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Radio-frequency connectors –
Part 45: Sectional specification for SQMA series quick lock RF coaxial
connectors**

**Connecteurs pour fréquences radioélectriques –
Partie 45: Spécification intermédiaire relative aux connecteurs coaxiaux RF à
verrouillage rapide, série SQMA**





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IEC 61169-45

Edition 1.0 2014-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Radio-frequency connectors –
Part 45: Sectional specification for SQMA series quick lock RF coaxial
connectors**

**Connecteurs pour fréquences radioélectriques –
Partie 45: Spécification intermédiaire relative aux connecteurs coaxiaux RF à
verrouillage rapide, série SQMA**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

RADIO-FREQUENCY CONNECTORS –**Part 45: Sectional specification for SQMA series quick lock RF coaxial connectors**

FOREWORD

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

CDV	Report on voting
46F/238/CDV	46F/256/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.

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RADIO-FREQUENCY CONNECTORS –

Part 45: Sectional specification for SQMA series quick lock 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 type SQMA quick lock RF coaxial connectors.

The connectors are normally used with 50 Ω in microwave, telecommunication, wireless and other fields, connecting with RF cables or micro-strips. The operating frequency limit is up to 18 GHz.

It describes the interface dimensions for general purpose connectors grade 2 and standard test connectors – grade 0 with gauging information and the mandatory tests selected from IEC 61169-1, applicable to all detail specifications relative to type SQMA connectors.

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

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*

3 Mating face and gauge information

3.1 Dimensions – General connectors – Grade 2

3.1.1 Connector with pin-centre contact (see Figure 1)

Metric dimension are original dimensions. All undimensioned pictorial configurations are for reference purpose only.

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