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Standards

Irish Standard
I.S. EN 61169-50:2015

Radio-frequency connectors - Part 50:
Sectional specification for RF coaxial
connectors with inner diameter of outer
conductors 4,11 mm with quick lock system -
Characteristic impedance 50 Ohm (type
QMA)

I.S. EN 61169-50:2015

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English Version

**Radio-frequency connectors - Part 50: Sectional specification for
RF coaxial connectors with inner diameter of outer conductors
4,11 mm with quick lock system - Characteristic impedance
50 Ohm (type QMA)
(IEC 61169-50:2014)**

Connecteurs pour fréquences radioélectriques - Partie 50:
Spécification intermédiaire relative aux connecteurs
coaxiaux pour fréquences radioélectriques avec diamètre
intérieur des conducteurs extérieurs de 4,11 mm à système
de verrouillage rapide - Impédance caractéristique 50 Ohm
(type QMA)
(IEC 61169-50:2014)

Hochfrequenz-Steckverbinder - Teil 50:
Rahmenspezifikation für koaxiale HF Steckverbinder mit
4,11 mm Innendurchmesser des Außenleiters und
Schnellverriegelung - Wellenwiderstand 50 Ohm (Typ QMA)
(IEC 61169-50:2014)

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Foreword

The text of document 46F/264/CDV, future edition 1 of IEC 61169-50, 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 61169-50:2015.

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Annex ZA (normative)

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<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
IEC 62037	series	Passive RF and microwave devices, intermodulation level measurement	EN 62037	series

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IEC 61169-50

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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Radio-frequency connectors –
Part 50: Sectional specification for RF coaxial connectors with inner diameter of
outer conductors 4,11 mm with quick lock system – Characteristic impedance
50 Ω (type QMA)**

**Connecteurs pour fréquences radioélectriques –
Partie 50: Spécification intermédiaire relative aux connecteurs coaxiaux pour
fréquences radioélectriques avec diamètre intérieur des conducteurs
extérieurs de 4,11 mm à système de verrouillage rapide – Impédance
caractéristique 50 Ω (type QMA)**



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Edition 1.0 2014-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Radio-frequency connectors –

Part 50: Sectional specification for RF coaxial connectors with inner diameter of outer conductors 4,11 mm with quick lock system – Characteristic impedance 50 Ω (type QMA)

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Partie 50: Spécification intermédiaire relative aux connecteurs coaxiaux pour fréquences radioélectriques avec diamètre intérieur des conducteurs extérieurs de 4,11 mm à système de verrouillage rapide – Impédance caractéristique 50 Ω (type QMA)

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

RADIO-FREQUENCY CONNECTORS –

Part 50: Sectional specification for RF coaxial connectors with inner diameter of outer conductors 4,11 mm with quick lock system – Characteristic impedance 50 Ω (type QMA)

FOREWORD

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International Standard IEC 61169-50 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:

CDV	Report on voting
46F/264/CDV	46F/285/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.

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INTRODUCTION

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RADIO-FREQUENCY CONNECTORS –

Part 50: Sectional specification for RF coaxial connectors with inner diameter of outer conductors 4,11 mm with quick lock system – Characteristic impedance 50 Ω (type QMA)

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 QMA R.F. coaxial connectors with quick lock.

The connectors are normally used with 50 Ω corrugated cable and flexible cables for middle power applications in an operating range up to 6 GHz.

It describes the interface dimensions for general purpose connectors with gauging information and the mandatory tests selected from IEC 61169-1, applicable to all detail specifications relative to type QMA connectors.

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

NOTE Metric dimension are original dimensions.

All un-dimensioned 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.

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

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