

STN	Vysokofrekvenčné konektory. Časť 50: Rámcová špecifikácia VF koaxiálnych konektorov s vnútorným priemerom vonkajšieho vodiča 4,11 mm s rýchlo uzatvárateľným systémom. Charakteristická impedancia 50 Ω (typ QMA).	STN EN 61169-50 35 3811
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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 Ohm (type QMA)

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. 08/15

Obsahuje: EN 61169-50:2015, IEC 61169-50:2014

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EUROPEAN STANDARD

EN 61169-51

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2015

ICS 33.120.30

English Version

**Radio-frequency connectors - Part 51: Sectional specification for
RF coaxial connectors with inner diameter of outer conductors
13,5 mm with bayonet lock - Characteristic impedance 50 Ω
(type QLI)
(IEC 61169-51:2015)**

Connecteurs pour fréquences radioélectriques - Partie 51:
Spécification intermédiaire relative aux connecteurs
coaxiaux pour fréquences radioélectriques avec diamètre
intérieur des conducteurs extérieurs de 13,5 mm à
verrouillage à baïonnette - Impédance caractéristique 50 Ω
(type QLI)
(IEC 61169-51:2015)

Hochfrequenz-Steckverbinder - Teil 51:
Rahmenspezifikation für koaxiale HF Steckverbinder mit
13,5 mm Innendurchmesser des Außenleiters und
Bajonettverschluss - Wellenwiderstand 50 Ohm (Typ QLI)
(IEC 61169-51:2015)

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Foreword

The text of document 46F/295/FDIS, future edition 1 of IEC 61169-51, 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 61169-51:2015.

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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 60529	-	Degrees of protection provided by enclosures (IP Code)	-	-
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
ISO 21207	-	Corrosion tests in artificial atmospheres - Accelerated corrosion tests involving alternate exposure to corrosion-promoting gases, neutral salt-spray and drying	-	-



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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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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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)

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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.

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

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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.

IEC 61169-1:2013, *Radio-frequency connectors – Part 1: Generic specification – General requirements and measuring methods*

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

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