

STN	Vysokofrekvenčné konektory Časť 58: Rámcová špecifikácia VF koaxiálnych konektorov so spojením naslepo. Charakteristická impedancia 50 Ω (typ SBMA)	STN EN 61169-58 35 3811
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Radio-frequency connectors - Part 58: Sectional specification for RF coaxial connectors with blind-mate coupling - Characteristic impedance 50 (type SBMA)

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. 05/17

Obsahuje: EN 61169-58:2016, IEC 61169-58:2016

124682

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2017
Podľa zákona č. 264/1999 Z. z. o technických požiadavkách na výrobky a o posudzovaní zhody a o zmene a doplnení niektorých zákonov v znení neskorších predpisov sa slovenská technická norma a časti slovenskej technickej normy môžu rozmnožovať alebo rozširovať len so súhlasom slovenského národného normalizačného orgánu.

EUROPEAN STANDARD

EN 61169-58

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2016

ICS 33.120.30

English Version

**Radio-frequency connectors - Part 58: Sectional specification for
RF coaxial connectors with blind-mate coupling - Characteristic
impedance 50 Ω (type SBMA)
(IEC 61169-58:2016)**

Connecteurs pour fréquences radioélectriques - Partie 58:
Spécification intermédiaire relative aux connecteurs
coaxiaux pour fréquences radioélectriques à accouplement
en aveugle - Impédance caractéristique 50 Ω (type SBMA)
(IEC 61169-58:2016)

Hochfrequenz-Steckverbinder - Teil 58:
Rahmenspezifikation für koaxiale HF-Steckverbinder mit
Blindsteckverbindung - Wellenwiderstand 50 Ω (Typ SBMA)
(IEC 61169-58:2016)

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European foreword

The text of document 46F/347/FDIS, future edition 1 of IEC 61169-58, prepared by SC 46F "RF and microwave passive components", of IEC/TC 46 "Cables, wires, waveguides, RF connectors, RF and microwave passive components and accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61169-58:2016.

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Annex ZA (normative)

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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 61169-1	2013	Radio-frequency connectors -- Part 1: Generic specification - General requirements and measuring methods	EN 61169-1	2013
IEC 62037-3	-	Passive RF and microwave devices intermodulation level measurement -- Part 3: Measurement of passive intermodulation in coaxial connectors	EN 62037-3	-



INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Radio-frequency connectors –
Part 58: Sectional specification for RF coaxial connectors with blind-mate
coupling – Characteristic impedance 50 Ω (type SBMA)**

**Connecteurs pour fréquences radioélectriques –
Partie 58: Spécification intermédiaire relative aux connecteurs coaxiaux
pour fréquences radioélectriques à accouplement en aveugle – Impédance
caractéristique 50 Ω (type SBMA)**



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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Radio-frequency connectors –
Part 58: Sectional specification for RF coaxial connectors with blind-mate
coupling – Characteristic impedance 50 Ω (type SBMA)**

**Connecteurs pour fréquences radioélectriques –
Partie 58: Spécification intermédiaire relative aux connecteurs coaxiaux
pour fréquences radioélectriques à accouplement en aveugle – Impédance
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ICS 33.120.30

ISBN 978-2-8322-3600-0

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

RADIO-FREQUENCY CONNECTORS –**Part 58: Sectional specification for RF
coaxial connectors with blind-mate coupling –
Characteristic impedance 50 Ω (type SBMA)**

FOREWORD

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International Standard IEC 61169-58 has been prepared by subcommittee 46F: RF and microwave passive components, of IEC technical committee 46: Cables, wires, waveguides, RF connectors, RF and microwave passive components and accessories.

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

FDIS	Report on voting
46F/347/FDIS	46F/352/RVD

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.

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RADIO-FREQUENCY CONNECTORS –

Part 58: Sectional specification for RF coaxial connectors with blind-mate coupling – Characteristic impedance 50 Ω (type SBMA)

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 SBMA series coaxial connectors with blind-mate coupling.

The connectors are used with cables with characteristic impedance 50 Ω in an operating frequency range up to 28 GHz. The connectors are widely used in communications, antennas, radars and other applications for modules interconnections. It is also normally used in conjunction with appropriate transmission line.

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 SBMA connectors.

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

NOTE Dimension are in mm, however original dimensions were in inches.

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 62037-3, *Passive RF and microwave devices, intermodulation level measurement – Part 3: Measurement of passive intermodulation in coaxial connectors*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN