SLOVENSKI STANDARD
SIST EN IEC 61169-67:2022

01-junij-2022

Radiofrekvenčni konektorji - 67. del: Področna specifikacija za navojne triaksialne priključke serije TRL (IEC 61169-67:2022)

Radio frequency connectors - Part 67: Sectional specification for series TRL threaded triaxial connectors (IEC 61169-67:2022)

Hochfrequenz-Steckverbinder - Teil 67: Teilspezifikation für triaxiale Steckverbinder mit Gewinde der Serie TRL (IEC 61169-67:2022)

Connecteurs pour fréquences radioélectriques - Partie 67: Spécification intermédiaire relative aux connecteurs triaxiaux filetés de série TRL (IEC 61169-67:2022)

Ta slovenski standard je istoveten z: **EN IEC 61169-67:2022**

ICS:

33.120.30	Radiofrekvenčni konektorji (RF)	RF connectors

SIST EN IEC 61169-67:2022 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 61169-67

April 2022

ICS 33.120.30

English Version

Radio frequency connectors - Part 67: Sectional specification for series TRL threaded triaxial connectors (IEC 61169-67:2022)

Connecteurs pour fréquences radioélectriques - Partie 67: Spécification intermédiaire relative aux connecteurs triaxiaux filetés de série TRL
(IEC 61169-67:2022)

Hochfrequenz-Steckverbinder - Teil 67: Rahmenspezifikation für triaxiale Steckverbinder mit Gewinde der Serie TRL
(IEC 61169-67:2022)

This European Standard was approved by CENELEC on 2022-03-25. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN IEC 61169-67:2022 E

European foreword

The text of document 46F/599/FDIS, future edition 1 of IEC 61169-67, 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 IEC 61169-67:2022.

The following dates are fixed:

•	latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop) 2022-12-25
•	latest date by which the national standards conflicting with the document have to be withdrawn	(dow) 2025-03-25

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Endorsement notice

The text of the International Standard IEC 61169-67:2022 was approved by CENELEC as a European Standard without any modification.

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

NOTE 1 Where 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.

Publication	Year	Title	EN/HD	Year
IEC 61169-1	2013	Radio frequency connectors - Part 1: Generic specification - General requirements and measuring methods	EN 61169-1	2013
IEC 61169-1-5	-	Radio frequency connectors - Part 1-5: Electrical test methods - Rise time degradation	EN IEC 61169-1-5	-

IEC 61169-67

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

Radio-frequency connectors –
Part 67: Sectional specification for series TRL threaded triaxial connectors

Connecteurs pour fréquences radioélectriques –
Partie 67: Spécification intermédiaire relative aux connecteurs triaxiaux filetés de série TRL

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RADIO-FREQUENCY CONNECTORS –

Part 67: Sectional specification for series TRL threaded triaxial connectors

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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IEC 61169-67 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. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
46F/599/FDIS	46F/609/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

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

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

RADIO-FREQUENCY CONNECTORS –

Part 67: Sectional specification for series TRL threaded triaxial 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 series TRL threaded triaxial connectors. Series TRL threaded triaxial connectors with high reliability, small size, good salt characteristics can be connected with symmetrically twisted pair cables or triaxial cables. It has been used in 1553B data bus systems or other communication systems for digital signal transmission.

It specifies mating face dimensions for series TRL threaded triaxial connectors, gauging information and tests selected from IEC 61169-1, applicable to all detail specifications relating to series TRL threaded triaxial connectors.

This specification indicates 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.

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

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 61169-1:2013, *Radio frequency connectors – Part 1: Generic specification − General requirements and measuring methods*

IEC 61169-1-5, *Radio frequency connectors – Part 1-5: Electrical test methods − Rise time degradation*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 61169-1 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at http://www.iso.org/obp

3.1
coaxial pin contact
connecting part with a coaxial structure, the outer conductor of which is a pin and the inner conductor is a socket