

Radio-frequency connectors - Part 68: Sectional
specification for series TRK bayonet coupling triaxial
connectors

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Radio-frequency connectors - Part 68: Sectional specification for
series TRK bayonet coupling triaxial connectors
(IEC 61169-68:2022)

Connecteurs pour fréquences radioélectriques - Partie 68:
Spécification intermédiaire relative aux connecteurs
triaxiaux à accouplement à baïonnette de série TRK
(IEC 61169-68:2022)

Hochfrequenz-Steckverbinder - Teil 68:
Rahmenspezifikation für triaxiale Steckverbinder mit
Bajonettkupplung der Serie TRK
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European foreword

The text of document 46F/596/FDIS, future edition 1 of IEC 61169-68, 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 61169-68:2022.

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**Radio-frequency connectors –
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**Connecteurs pour fréquences radioélectriques –
Partie 68: Spécification intermédiaire relative aux connecteurs triaxiaux à
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INTERNATIONAL STANDARD

NORME INTERNATIONALE

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Partie 68: Spécification intermédiaire relative aux connecteurs triaxiaux à
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RADIO-FREQUENCY CONNECTORS –

Part 68: Sectional specification for series TRK bayonet coupling triaxial connectors

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

Draft	Report on voting
46F/596/FDIS	46F/610/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.

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RADIO-FREQUENCY CONNECTORS –

Part 68: Sectional specification for series TRK bayonet coupling 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 TRK bayonet coupling triaxial connectors. The series TRK bayonet coupling triaxial connectors having the advantages of quick connection and separation, high reliability, small size, good salt characteristics, four polarizations to prevent error-mate etc., can be connected to symmetrically twisted pair cables or triaxial cables. They have been widely used in 1553B data bus systems or other communication systems for digital signal transmission.

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

This document 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 dimension 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

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