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

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EN IEC 61169-67

April 2022

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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)

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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



IEC 61169-67:2022-02(en-fr)

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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

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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RADIO-FREQUENCY CONNECTORS –

Part 67: Sectional specification for series TRL threaded triaxial connectors

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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.

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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 67: Sectional specification for series TRL threaded triaxial connectors

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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.

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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