

SVENSK STANDARD

SS-EN 4652-221:2017/AC:2018



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**Flyg- och rymdteknik – RF- och koaxiala anslutningsdon –
Del 221: Typ 2, gränssnitt TNC – Pressförbindning – Rätvinklig
stickkontakt – Produktstandard**

**Aerospace series – Connectors, coaxial, radio frequency –
Part 221: Type 2, TNC interface – Crimp version – Right angle
plug – Product standard**



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Europastandarden EN 4652-221:2017/AC:2018 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 4652-221:2017/AC:2018.

The European Standard EN 4652-221:2017/AC:2018 has the status of a Swedish Standard. This document contains the official version of EN 4652-221:2017/AC:2018.

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Information about the content of the standard is available from the Swedish Standards Institute (SIS), telephone +46 8 555 520 00. Standards may be ordered from SIS, who can also provide general information about Swedish and foreign standards.

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EUROPEAN STANDARD

EN 4652-221

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2017

ICS 49.060

English Version

Aerospace series - Connectors, coaxial, radio frequency - Part 221: Type 2, TNC interface - Crimp version - Right angle plug - Product standard

Série aérospatiale - Connecteurs coaxiaux pour radio
fréquences - Partie 221 : Type 2, interface TNC -
Version à sertir - Fiche coudée - Norme de produit

Luft- und Raumfahrt - Koaxiale Hochfrequenz-
Steckverbinder - Teil 211: Typ 2, TNC-Schnittstelle -
Crimpverbindung - freier Steckverbinder - 90°
abgewinkelt - Produktnorm

This European Standard was approved by CEN on 14 August 2017.

CEN 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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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 CEN 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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This document consolidates EN 4652-221:2017 and the corrigendum EN 4652-221:2017/AC:2018.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN 4652-221:2017) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2018, and conflicting national standards shall be withdrawn at the latest by May 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document includes the corrigendum EN 4652-221:2017/AC:2018 which corrects a number in the row dedicated to EN 2591-202 in Table 6 (English version only).

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

SS-EN 4652-221:2017/AC:2018 (E)**1 Scope**

This European Standard specifies the characteristics of screwed on coupling (TNC interface) coaxial right angle plugs – 50 ohms. The cable to connector assembly is a crimp technology.

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.

EN 2591*, *Aerospace series — Elements of electrical and optical connection — Test methods*

EN 2812, *Aerospace series — Stripping of electric cables*

EN 4652-001, *Aerospace series — Connectors, coaxial, radio frequency — Part 001: Technical specification*

EN 4652-222, *Aerospace series — Connectors, coaxial, radio frequency — Part 222: Type 2, TNC interface — Crimp version — Square flange receptacle — Product standard*¹⁾

EN 9133, *Aerospace series — Quality Management Systems — Qualification Procedure for Aerospace Standard Products*

TR 6058, *Aerospace series — Cable code identification list*²⁾

3 Required characteristics

- The connection technology shall comply to all required tests described in Clause 4.
- All interface shall comply to EN 4652-001.
- Holes for lockwire shall exist in case of no self-locking device on the product.
- Water ingress resistance is required in mated conditions for all cable groups.
- Water ingress resistance is also required in unmated conditions for cable group A.

* All parts quoted in this European Standard.

1) Published as ASD-STAN Prestandard at the date of publication of this European Standard. (www.asd-stan.org).

2) Published as ASD-STAN Technical Report at the date of publication of this European Standard. (www.asd-stan.org).