

SLOVENSKI STANDARD

SIST EN 4644-141:2016

01-junij-2016

Nadomešča:

SIST EN 4644-141:2012

Aeronavtika - Konektor, električni in optični, pravokotni, modularni, pravokotni vložki, stalna delovna temperatura 175 °C (ali 125 °C) - 141. del: Vtič velikosti 4 za stojalo in ploščo, razreda C in D - Standard za proizvod

Aerospace series - Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous - Part 141: Size 4 plug for rack and panel applications, class C and D - Product standard

Luft- und Raumfahrt - Elektrische und optische Rechtecksteckverbinder, modular, rechteckige Kontakteinsätze, Dauerbetriebstemperatur 175 °C (oder 125 °C) konstant - Teil 141: Freier Steckverbinder, Größe 4, für Einschubanwendungen, Klassen C und D - Produktnorm

Série aérospatiale - Connecteur, électrique et optique, rectangulaire, modulaire, à inserts rectangulaires, température de fonctionnement 175 °C (ou 125 °C) continu - Partie 141 : Fiche, taille 4 pour applications rackables, classes C et D - Norme de produit

Ta slovenski standard je istoveten z: EN 4644-141:2016

ICS:

31.220.10	Vtiči in vtičnice, konektorji	Plug-and-socket devices. Connectors
49.060	Letalska in vesoljska električna oprema in sistemi	Aerospace electric equipment and systems

SIST EN 4644-141:2016

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 4644-141:2016

<https://standards.iteh.ai/catalog/standards/sist/596c92f2-e30f-47fd-ac8d-21027d0dc1f4/sist-en-4644-141-2016>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 4644-141

April 2016

ICS 49.060; 49.090

Supersedes EN 4644-141:2011

English Version

**Aerospace series - Connector, electrical and optical,
rectangular, modular, rectangular inserts, operating
temperature 175 °C (or 125 °C) continuous - Part 141: Size
4 plug for rack and panel applications, class C and D -
Product standard**

Série aérospatiale - Connecteur, électrique et optique,
rectangulaire, modulaire, à inserts rectangulaires,
température de fonctionnement 175 °C (ou 125 °C)
continu - Partie 141 : Fiche, taille 4 pour applications
rackables, classes C et D - Norme de produit

Luft- und Raumfahrt - Elektrische und optische
Rechtecksteckverbinder, modular, rechteckige
Kontakteinsätze, Dauerbetriebstemperatur 175 °C
(oder 125 °C) konstant - Teil 141: Freier
Steckverbinder, Größe 4, für Einschubanwendungen,
Klassen C und D - Produktnorm

iTeh STANDARD PREVIEW
(standards.iteh.ai)

This European Standard was approved by CEN on 27 September 2015.

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.

<https://standards.iteh.ai/catalog/standards/sist/596c92f2-e30f-47fd-ac8d-21027d0dc1f4/sist-en-4644-141-2016>

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.

CEN members are the national standards bodies of 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

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

Contents	Page
European foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Required characteristics	4
5 Designation.....	6
6 Marking.....	6
7 Technical specification.....	6

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 4644-141:2016
<https://standards.iteh.ai/catalog/standards/sist/596c92f2-e30f-47fd-ac8d-21027d0dc1f4/sist-en-4644-141-2016>

European foreword

This document (EN 4644-141:2016) 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 October 2016, and conflicting national standards shall be withdrawn at the latest by October 2016.

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

This document supersedes EN 4644-141:2011.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

[SIST EN 4644-141:2016
https://standards.iteh.ai/catalog/standards/sist/596c92f2-e30f-47fd-ac8d-21027d0dc1f4/sist-en-4644-141-2016](https://standards.iteh.ai/catalog/standards/sist/596c92f2-e30f-47fd-ac8d-21027d0dc1f4/sist-en-4644-141-2016)

EN 4644-141:2016 (E)**1 Scope**

This European Standard specifies the size 4 plug for rack and panel applications used in the family of modular rectangular electrical and optical connector with rectangular inserts. The receptacle corresponding to this plug is defined in EN 4644-142.

This size 4 plug connector can also be mated with two size 2 receptacle connectors.

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 4644-001, *Aerospace series — Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous — Part 001: Technical specification*

EN 4644-002, *Aerospace series — Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous — Part 002: Specification of performance and contact arrangements*

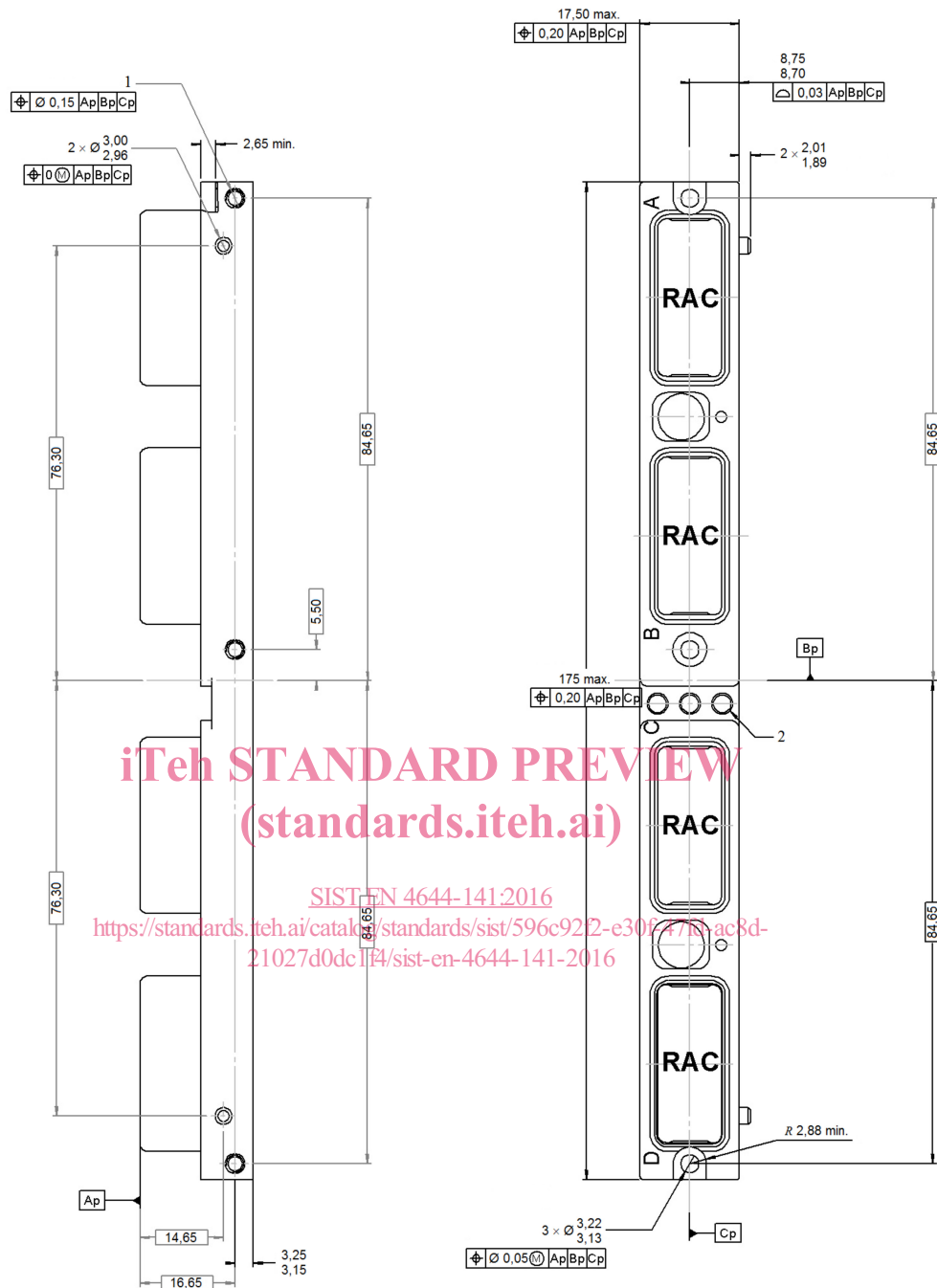
EN 4644-142, *Aerospace series — Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous — Part 142: Size 4 receptacle for rack and panel application — Product standard*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 4644-001 apply.

4 Required characteristics**4.1 Dimensions**

See Figure 1.



Key

- 1 3 x self-locking thread depth 6 min (see housing type in Clause designation for more details)
2 See EN 4644-001.

NOTE Ap, Bp, Cp axis, see EN 4644-001.

Figure 1

4.2 Mass

50 g max.

EN 4644-141:2016 (E)

5 Designation

EXAMPLE

Description block	Identity block
ELECTRICAL CONNECTOR, SIZE 4 PLUG	EN4644-141CM000
Number of this standard	
Shell class (See EN 4644-002)	
Housing type: (see Figure 1) M: self-locking thread M3 × 0,5 U: self-locking thread 4-40 UNC	
Polarization code: (see EN 4644-002)	
Plug connector could be delivered with polarizing keys for rack and panel applications use or with 2 locking systems for disconnect applications use (see EN 4644-002) 999: shell delivered with no polarizing key and no locking hardware 000: shell delivered with polarizing key unassembled Others codes: shell delivered with polarizing hardware assembled (see EN 4644-002)	

6 Marking

Housing identification marking, as specified in Clause 5.

In addition, marking shall show: <https://standards.iteh.ai/catalog/standards/sist/596c92f2-e30f-47fd-ac8d-21027d0dc1f4/sist-en-4644-141-2016>

- date of manufacture (year-week);
- manufacturer name or trademark.

7 Technical specification

See EN 4644-001.