

SLOVENSKI STANDARD

SIST EN 4644-141:2012

01-januar-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 - Standard za izdelek

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 - 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, Geräteeinschub - 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 - Norme de produit

Ta slovenski standard je istoveten z: EN 4644-141:2011

ICS:

49.060

Letalska in vesoljska
električna oprema in sistemi

Aerospace electric
equipment and systems

SIST EN 4644-141:2012

en,fr

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 4644-141:2012

<https://standards.iteh.ai/catalog/standards/sist/a365cc1e-a187-40af-8488-292f6bf55166/sist-en-4644-141-2012>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 4644-141

November 2011

ICS 49.060; 49.090

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 - 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 -
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, Geräteeinschub - Produktnorm

This European Standard was approved by CEN on 22 July 2011.

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.

<https://standards.iteh.ai/catalog/standards/sist/a365cc1e-a187-40af-8488-3d281751e156/en-4644-141:2012>

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Required characteristics	4
4.1 Dimensions	4
4.2 Mass	6
5 Designation	6
6 Marking	6
7 Technical specification	6

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 4644-141:2012](https://standards.iteh.ai/catalog/standards/sist/a365cc1e-a187-40af-8488-292f6b55166/sist-en-4644-141-2012)

<https://standards.iteh.ai/catalog/standards/sist/a365cc1e-a187-40af-8488-292f6b55166/sist-en-4644-141-2012>

Foreword

This document (EN 4644-141:2011) 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 2012, and conflicting national standards shall be withdrawn at the latest by May 2012.

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.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 4644-141:2012

<https://standards.iteh.ai/catalog/standards/sist/a365cc1e-a187-40af-8488-292f6b55166/sist-en-4644-141-2012>

EN 4644-141:2011 (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, operating temperature 175 °C (or 125 °C) continuous.

The receptacle corresponding to this plug is defined in EN 4644-142.

2 Normative references

The following referenced documents are indispensable for the application 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.

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* ¹⁾

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* ¹⁾

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* ¹⁾

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.

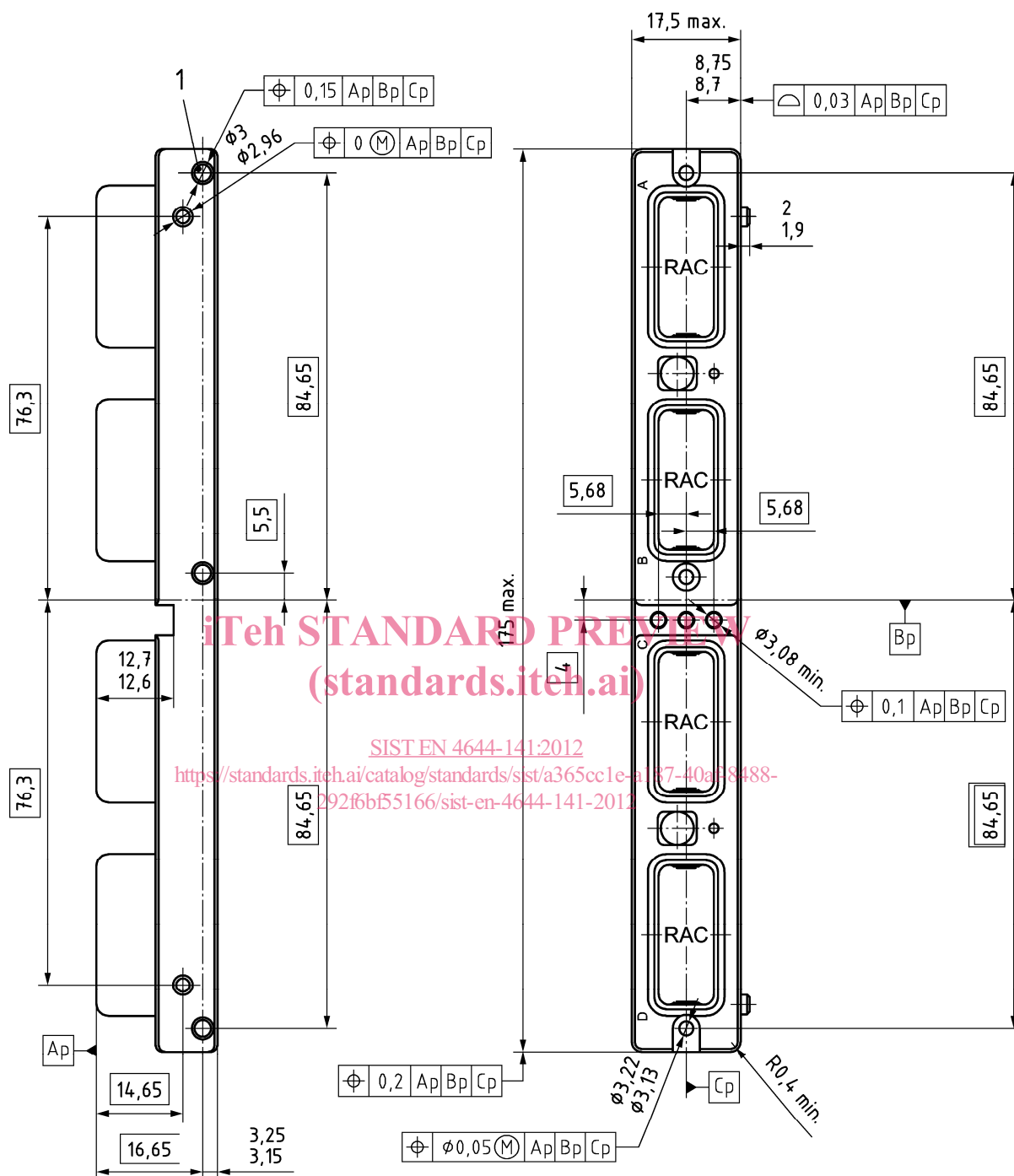
iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 4644-141:2012](#)

[standards.iteh.ai/catalog/standards/sist/a365cc1e-a187-40af-8488-292f6b55166/sist-en-4644-141-2012](#)

¹⁾ Published as ASD-STAN Prestandard at the date of publication of this standard by Aerospace and Defence Industries Association of Europe-Standardization (ASD-STAN), (www.asd-stan.org).

Dimensions in millimetres

**Key**

1 Three self-locking thread, depth 6 minimum (see housing type in Clause designation for the diameter)

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

Figure 1

EN 4644-141:2011 (E)**4.2 Mass**

50 g maximum.

5 Designation

EXAMPLE

Description block	Identity block
ELECTRICAL CONNECTOR, SIZE 4 PLUG	EN 4644-141AM000
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 2B.	
Polarization code: (see EN 4644-002) _____ Plug connector could be delivered with polarising keys for rack and panel applications use or with two locking systems for disconnect applications use 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:

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

7 Technical specification

See EN 4644-001.