

SLOVENSKI STANDARD

SIST EN 4165-003:2008

01-julij-2008

Aeronavtika - Konektorji, električni, pravokotni, modularni - Stalna delovna temperatura 175 °C - 003. del: Moduli serije 2 in serije 3 - Standard za proizvod

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 003: Modules series 2 and series 3 - Product standard

Luft- und Raumfahrt - Elektrischer Rechtecksteckverbinder in modularer Bauweise - Betriebstemperatur 175 °C konstant - Teil 003: Modul serie 2 und serie 3 - Produktnorm

Série aérospatiale - Connecteurs électriques, rectangulaires, modulaires - Température d'utilisation 175 °C continu - Partie 003 : Modules série 2 et série 3 - Norme de produit

<https://standards.iteh.ai/catalog/standards/sist/0143c582-dfbb-4d42-a6ec-6f2b4f54ff68/sist-en-4165-003-2008>

Ta slovenski standard je istoveten z: EN 4165-003:2008

ICS:

49.060

Letalska in vesoljska
električna oprema in sistemi

Aerospace electric
equipment and systems

SIST EN 4165-003:2008

en

iTeh STANDARD PREVIEW **(standards.iteh.ai)**

SIST EN 4165-003:2008

<https://standards.iteh.ai/catalog/standards/sist/0143c582-dfbb-4d42-a6ec-6f2b4f54ff68/sist-en-4165-003-2008>

English Version

**Aerospace series - Connectors, electrical, rectangular, modular -
Operating temperature 175 °C continuous - Part 003: Modules
series 2 and series 3 - Product standard**

Série aérospatiale - Connecteurs électriques,
rectangulaires, modulaires - Température d'utilisation 175
°C continu - Partie 003 : Modules série 2 et série 3 - Norme
de produit

Luft- und Raumfahrt - Elektrischer Rechtecksteckverbinder
in modularer Bauweise - Betriebstemperatur 175 °C
konstant - Teil 003: Modul serie 2 und serie 3 -
Produktnorm

This European Standard was approved by CEN on 12 January 2008.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, 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: rue de Stassart, 36 B-1050 Brussels

Contents		Page
Foreword.....		3
1	Scope	4
2	Normative references	4
3	Terms and definitions	4
4	Required characteristics	5
5	Male and female module cavities coding	8
6	Main general characteristics	9
7	Designation	9
8	Marking	10
9	Technical specification	10

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 4165-003:2008
<https://standards.iteh.ai/catalog/standards/sist/0143c582-dfbb-4d42-a6ec-6f2b4f54ff68/sist-en-4165-003-2008>

Foreword

This document (EN 4165-003:2008) 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 2008, and conflicting national standards shall be withdrawn at the latest by October 2008.

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, 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 4165-003:2008

<https://standards.iteh.ai/catalog/standards/sist/0143c582-dfbb-4d42-a6ec-6f2b4f54ff68/sist-en-4165-003-2008>

1 Scope

This standard specifies the characteristics of module in the family of modular connector coupled by central threaded coupling, or rack and panel. For contacts and fillers plug associated see EN 4165-002.

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 2424, *Aerospace series — Marking of aerospace products.*

EN 3155-002, *Aerospace series — Electrical contacts used in elements of connection — Part 002: List and utilization of contacts.*

EN 4165-001, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 001: Technical specification.*

EN 4165-002, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 002: Specification of performance and contact arrangements.*

3 Terms and definitions

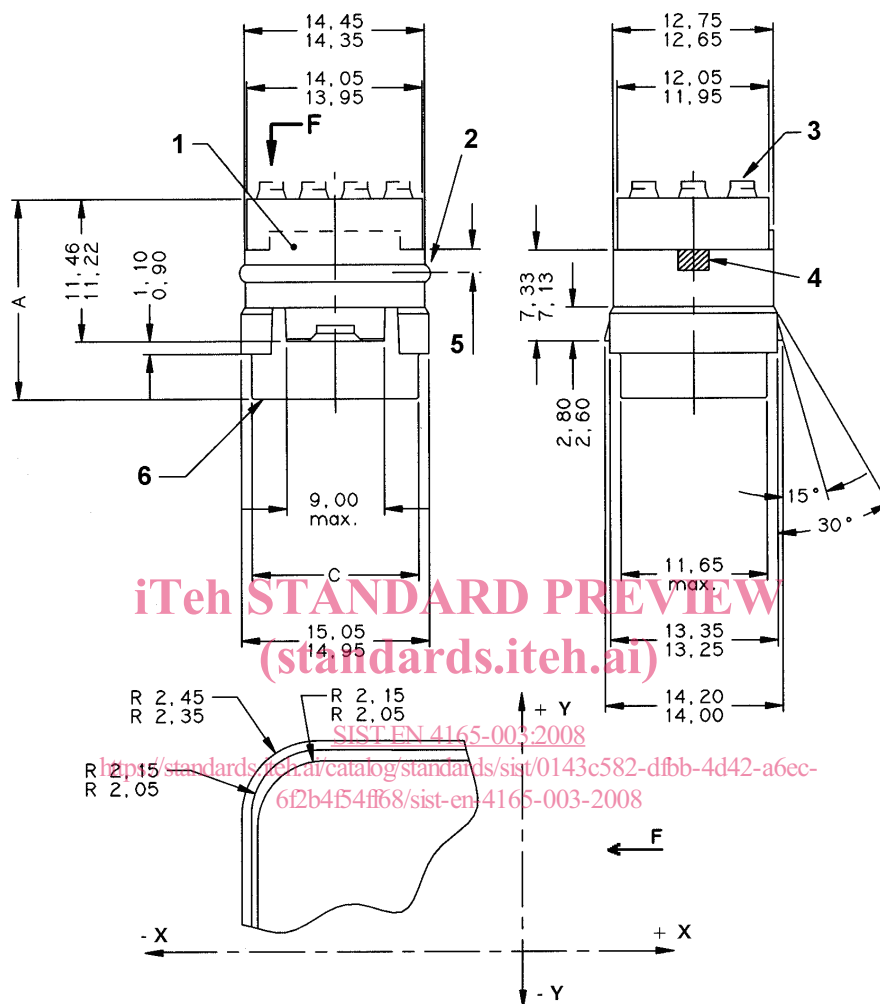
For the purposes of this document, the terms and definitions given in EN 4165-001 apply.

ITeh STANDARD PREVIEW
(standards.iteh.ai)
<https://standards.iteh.ai/catalog/standards/sist/0143c582-dffb-4d42-a6ec-6f2b4f54ff68/sist-en-4165-003-2008>

4 Required characteristics

4.1 Male module interface dimensions – Series 2 and series 3

See Figure 1 and Table 1. Dimensions are in millimetres.



Key

- | | | | |
|---|------------------------------------|---|-----------------------------------|
| 1 | Polarizing keys, see Figure 5. | 4 | Zone of contact (module grounded) |
| 2 | Optional design for sealed version | 5 | 2,00 point of sealing feature |
| 3 | Interfacial seal, see Figure 3. | 6 | 1,00 Grommet |

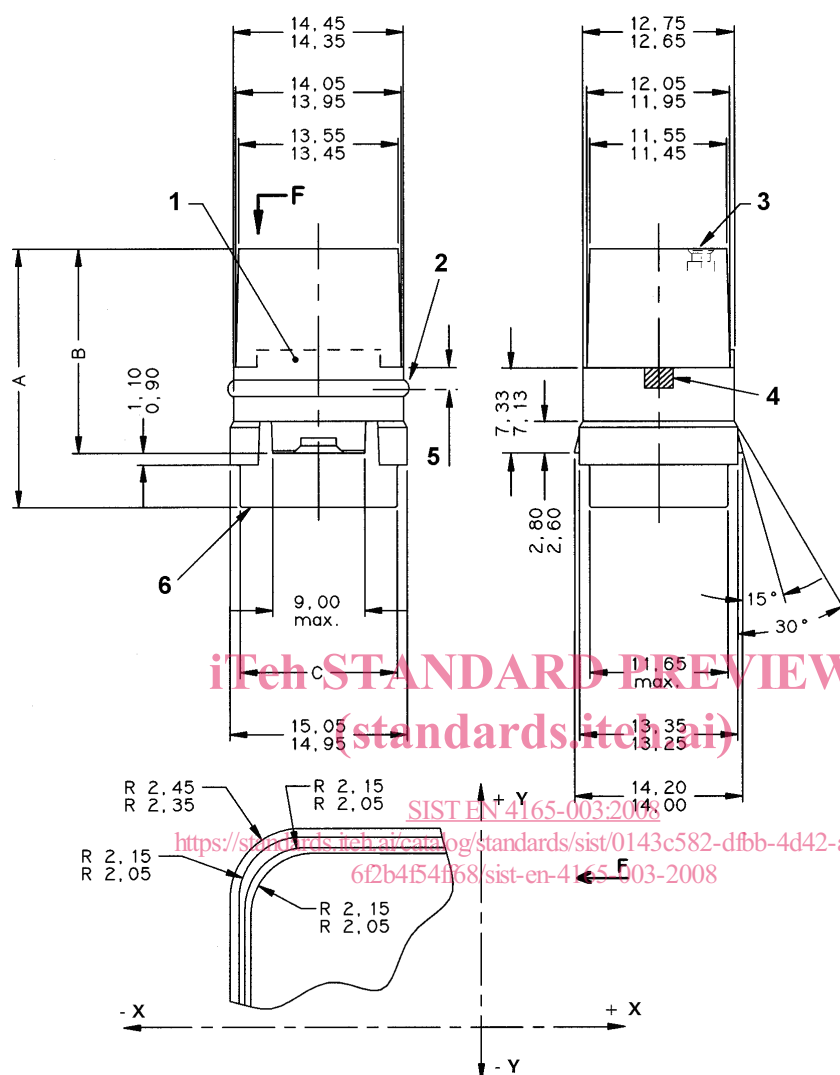
Figure 1

Table 1

Size	<i>A</i> max.	<i>C</i> max.	Mass without contacts g max.
22-20-16-12	16,46	13,35	3,0
8	18,70	11,65	2,3

4.2 Female module interface dimensions – Series 2 and series 3

See Figure 2 and Table 2. Dimensions are in millimetres.



Key

- | | |
|--|-------------------------------------|
| 1 Polarizing keys, see Figure 5. | 4 Zone of contact (module grounded) |
| 2 Optional design for sealed version | 5 2,00 point of sealing feature |
| 3 Socket contact cavity, see Figure 4. | 6 Grommet |

Figure 2

Table 2

Size	A max.		B max.		C max.
	series 2	series 3	series 2	series 3	
22-20-16-12	22,40	30,96	17,40	25,96	13,35
8	33,20		17,16	25,72	11,65

4.3 Male and female module size 08 contact – Grommet design

For series 2 and series 3.

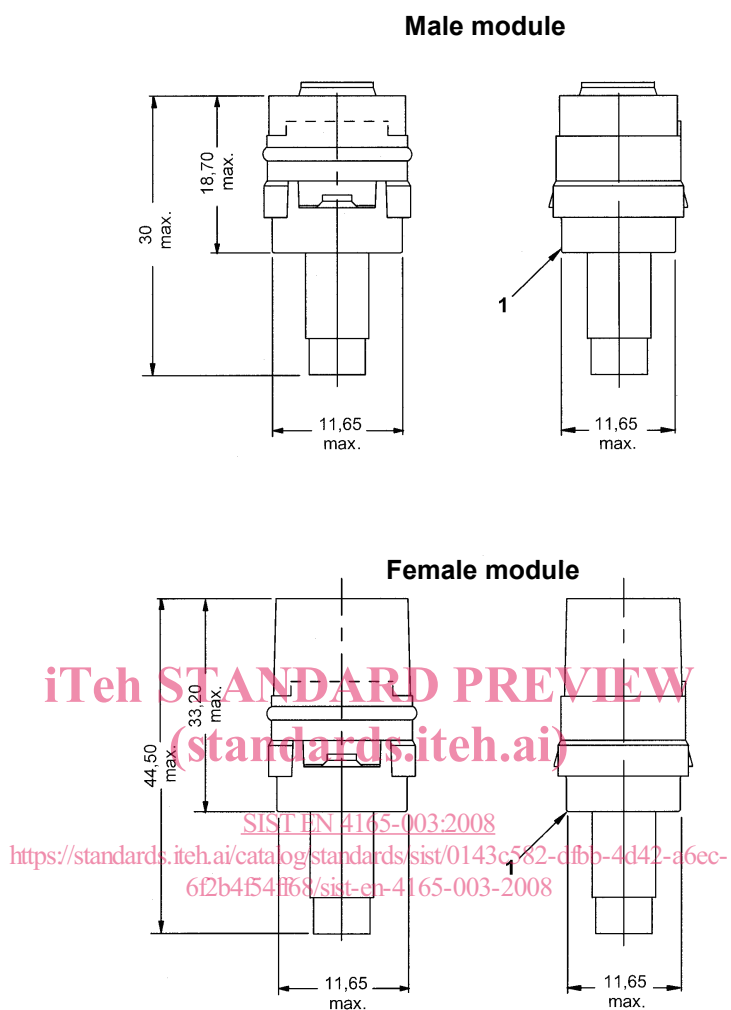


Figure 3

4.4 Blank module series 2 and series 3

Instead of male or female modules

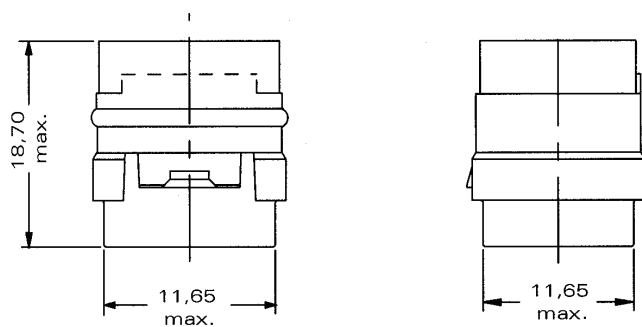


Figure 4