

SLOVENSKI STANDARD

SIST EN 4701-003:2014

01-februar-2014

Aeronavtika - Konektorji, optični, pravokotni, modularni, za delovno temperaturo 125 °C, za kontakte po EN 4531-101 - 003. del: Modulna serija 2 - Standard za izdelek

Aerospace series - Connectors, optical, rectangular, modular, operating temperature 125 °C, for EN 4531-101 contacts - Part 003: Module series 2 - Product standard

Luft- und Raumfahrt - Optischer Rechtecksteckverbinder in modularer Bauweise Betriebstemperatur 125 °C, für EN 4531-101 Kontakte - Teil 003: Modul serie 2 - Produktnorm

Série aéronautique - Connecteurs optiques rectangulaires, modulaires, température d'utilisation 125 °C, pour contacts EN 4531-101 - Partie 003: Module série 2 - Norme de produit

Ta slovenski standard je istoveten z: EN 4701-003:2013

ICS:

49.060	Letalska in vesoljska električna oprema in sistemi	Aerospace electric equipment and systems
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 4701-003

May 2013

ICS 49.090

English Version

**Aerospace series - Connectors, optical, rectangular, modular,
operating temperature 125 °C, for EN 4531-101 contacts - Part
003: Module series 2 - Product standard**

Série aérospatiale - Connecteurs optiques rectangulaires,
modulaires, température d'utilisation 125 °C, pour contacts
EN 4531-101 - Partie 003: Module série 2 - Norme de
produit

Luft- und Raumfahrt - Optischer Rechtecksteckverbinder in
modularer Bauweise, Betriebstemperatur 125 °C, für EN
4531-101-Kontakte - Teil 003: Modul Serie 2 - Produktnorm

This European Standard was approved by CEN on 19 January 2013.

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.

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.



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Contents

Page

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

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Foreword

This document (EN 4701-003:2013) 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 November 2013, and conflicting national standards shall be withdrawn at the latest by November 2013.

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, 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.

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EN 4701-003:2013 (E)**1 Scope**

This European Standard specifies the characteristics of module for EN 4531-101 optical termini, in the family of rectangular, modular, connector EN 4165.

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 2424, *Aerospace series — Marking of aerospace products*

EN 4165-003, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 003: Modules series 2 and series 3 — Product standard*

EN 4531-101, *Aerospace series — Connectors, optical, circular, single and multipin, coupled by triple start threaded ring — Flush contacts — Part 101: Optical contact for EN 4641-100 cable – 55 °C to 125 °C — Product standard*

EN 4701-001, *Aerospace series — Connectors, optical, rectangular, modular, operating temperature 125 °C, for EN 4531-101 contacts — Part 001: Technical specification*

EN 4701-002, *Aerospace series - Connectors, optical, rectangular, modular, operating temperature 125 °C, for EN 4531-101 contacts - Part 002: Specification of performance*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 4701-001 apply.

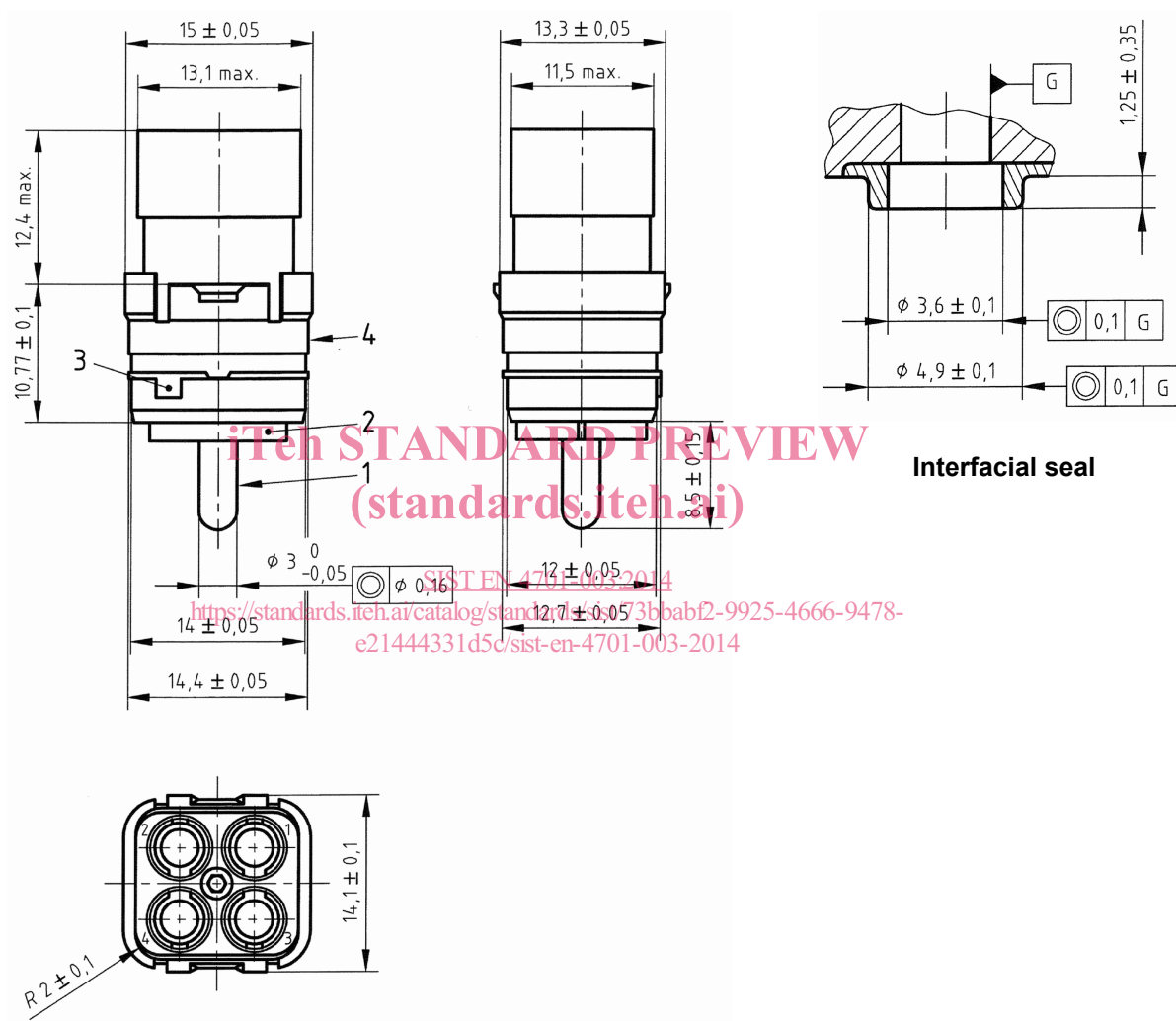
4 Required characteristics

4.1 Dimensions and masses

4.1.1 Male module interface dimensions – Series 2

See Figure 1.

Dimensions and tolerances are in millimetres.



Key

- 1 Guiding pin
- 2 Interfacial seal
- 3 Coding location (see EN 4165-003)
- 4 Optional design for sealed version

Figure 1

Maximum mass: 4,70 g.

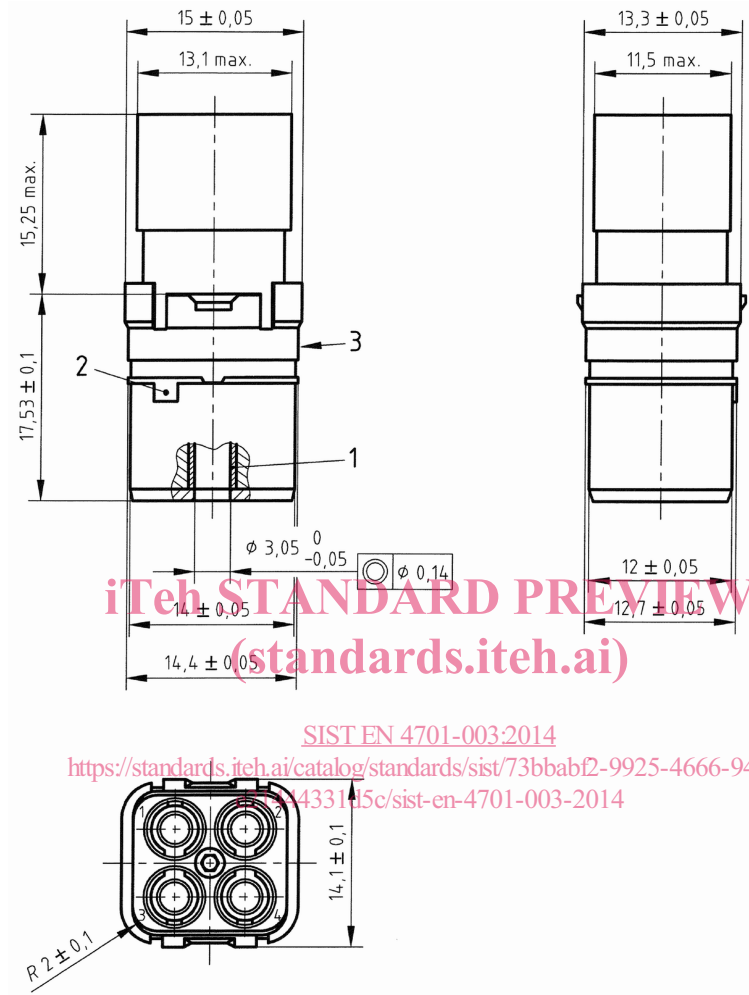
Others dimensions, see EN 4165-003.

EN 4701-003:2013 (E)

4.1.2 Female module interface dimensions – Series 2

See Figure 2.

Dimensions and tolerances are in millimetres.



Key

- 1 Centring cavity
- 2 Coding location (see EN 4165-003)
- 3 Optional design for sealed version

Figure 2

Maximum mass: 6,20 g.

Others dimensions, see EN 4165-003.

4.2 Material and surface treatment

See EN 4701-002.