

SLOVENSKI STANDARD

SIST EN 4531-004:2012

01-september-2012

Nadomešča:

SIST EN 4531-004:2009

Aeronavtika - Konektorji, optični, okrogli, z enim ali več zatiči, priključeni z navojnim obročkom - Izravnani kontakti - 004. del: Pritrditev z zaklepom matice - Standard za proizvod

Aerospace series - Connectors, optical, circular, single and multipin, coupled by threaded ring - Flush contacts - Part 004: Jam nut receptacle - Product standard

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Luft- und Raumfahrt - Optische Rundsteckverbinder mit Schraubkupplung - Bündige Kontakte - Teil 004: Fester Steckverbinder mit runden Schweiß und Mutterbefestigung - Produktnorm

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Série aérospatiale - Connecteurs optiques circulaires à accouplement par bague fileté - Contacts affleurants - Partie 004: Embase à collerette ronde à fixation par écrou - Norme de produit

Ta slovenski standard je istoveten z: EN 4531-004:2012

ICS:

49.060	Letalska in vesoljska električna oprema in sistemi	Aerospace electric equipment and systems
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EUROPEAN STANDARD

EN 4531-004

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2012

ICS 49.060

Supersedes EN 4531-004:2007

English Version

**Aerospace series - Connectors, optical, circular, single and
multipin, coupled by triple start threaded ring - Flush contacts -
Part 004: Jam nut receptacle - Product standard**

Série aérospatiale - Connecteurs optiques circulaires à
accouplement par bague fileté à trois filets - Contacts
affleurants - Partie 004: Embase à collerette ronde à
fixation par écrou - Norme de produit

Luft- und Raumfahrt - Optische Rundsteckverbinder mit
dreigängiger Schraubkupplung - Bündige Kontakte - Teil
004: Fester Steckverbinder mit Mutterbefestigung -
Produktnorm

This European Standard was approved by CEN on 10 September 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.

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, Turkey and United Kingdom.



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

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Contents

Page

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

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[SIST EN 4531-004:2012](https://standards.iteh.ai/catalog/standards/sist/f7921030-a7c2-45b2-9d83-b4651026e67f/sist-en-4531-004-2012)

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Foreword

This document (EN 4531-004:2012) 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 2012, and conflicting national standards shall be withdrawn at the latest by November 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.

This document supersedes EN 4531-004:2007.

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, Turkey and the United Kingdom.

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EN 4531-004:2012 (E)**1 Scope**

This European Standard specifies the characteristics of mounted jam nut receptacles in the family of circular connectors with triple start threaded coupling.

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 3645-009, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous — Part 009: Receptacle, round flange, jam nut mounting — Product standard*

EN 4531-001, *Aerospace series — Connectors, optical, circular, single and multipin, coupled by triple start threaded ring — Flush contacts — Part 001: Technical specification*

EN 4531-002, *Aerospace series — Connectors, optical, circular, single and multipin, coupled by triple start threaded ring — Flush contacts — Part 002: Specification of performance and contact arrangements*

3 Terms and definitions

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For the purposes of this document, the terms and definitions given in EN 4531-001 apply.

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4 Required characteristics

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4.1 Dimensions and masses

See EN 3645-009 for dimensions and Table 1 for masses.

Table 1

Shell size	Mass g Classes		
	F, W, N and Z	K and S	J, M and X
9	16	38	15
11	23	49	19
13	31	67	27
15	48	76	37
19	67	128	59
21	81	148	67
25	111	190	102

4.2 Material and surface treatment

See EN 4531-002.

4.3 Panel cut-out

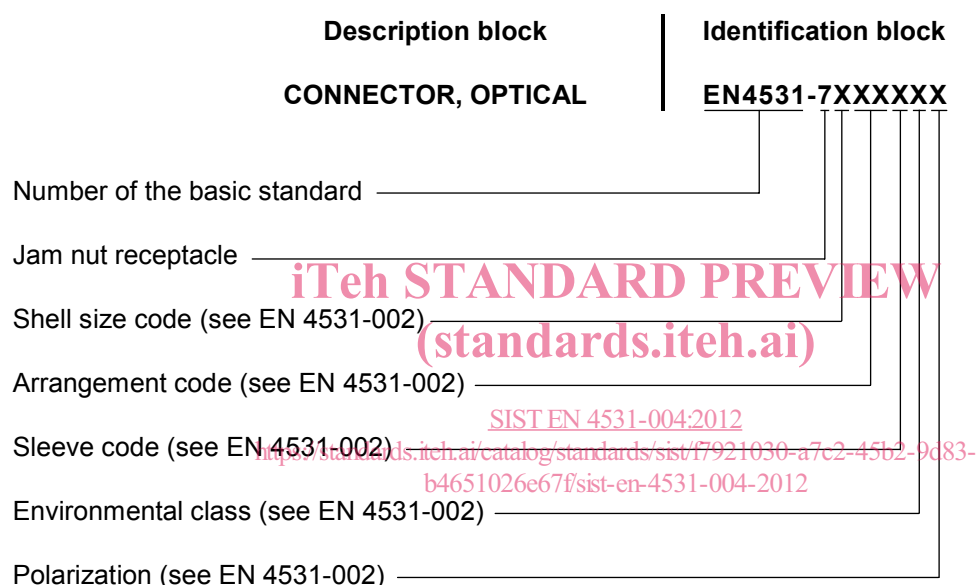
See EN 3645-009.

4.4 Optical, mechanical and climatic characteristics

See EN 4531-001.

5 Designation

EXAMPLE



6 Marking

The marking shall include the identification defined in Clause 5, the date of manufacture (year, week) and the name or trade mark of the manufacturer or conform to standard EN 2424, code P, if required.

7 Technical specification

See EN 4531-001.