

SLOVENSKI STANDARD

SIST EN 4531-003:2012

01-september-2012

Nadomešča:

SIST EN 4531-003:2009

Aeronavtika - Konektorji, optični, okrogli, z enim ali več zatiči, priključeni z navojnim obročkom - Izravnani kontakti - 003. del: Podlaga s kvadratno prirobnico - Standard za izdelek

Aerospace series - Connectors, optical, circular, single and multipin, coupled by threaded ring - Flush contacts - Part 003: Square flange receptacle - Product standard

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Luft- und Raumfahrt - Optische Rundsteckverbinder mit Schraubkupplung - Bündige Kontakte - Teil 003: Fester Steckverbinder mit quadratischem Montageflansch - Produktnorm

[SIST EN 4531-003:2012](https://standards.iteh.ai/catalog/standards/sist/c097b709-4efb-489e-bebd-609b9e3034/sist-en-4531-003-2012)

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Série aérospatiale - Connecteurs optiques circulaires à accouplement par bague fileté - Contacts affleurants - Partie 003: Embase à fixation par collerette carrée Norme de produit

Ta slovenski standard je istoveten z: EN 4531-003:2012

ICS:

49.060

Letalska in vesoljska
električna oprema in sistemi

Aerospace electric
equipment and systems

SIST EN 4531-003:2012

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 4531-003

May 2012

ICS 49.060

Supersedes EN 4531-003:2007

English Version

**Aerospace series - Connectors, optical, circular, single and
multipin, coupled by triple start threaded ring - Flush contacts -
Part 003: Square flange receptacle - Product standard**

Série aérospatiale - Connecteurs optiques circulaires à
accouplement par bague fileté à trois filets - Contacts
affleurants - Partie 003: Embase à fixation par colerette
carrée - Norme de produit

Luft- und Raumfahrt - Optische Rundsteckverbinder mit
dreigängiger Schraubkupplung - Bündige Kontakte - Teil
003: Fester Steckverbinder mit quadratischem
Montageflansch - 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.



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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 4531-003:2012) 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 4531-003:2007.

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 4531-003:2012 (E)**1 Scope**

This European Standard specifies the characteristics of mounted square flange 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 3645-003, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous — Part 003: Receptacle square flange 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*

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3 Terms and definitions

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

<https://standards.iteh.ai/catalog/standards/sist/c097b709-4efb-489e-bebd-c600b80e393d/sist-en-4531-003-2012>

4 Required characteristics**4.1 Dimensions and masses**

See EN 3645-003 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	10	25	10
11	16	35	13
13	22	45	19
15	31	59	27
19	57	98	45
21	65	110	51
25	97	148	90

4.2 Material and surface treatment

See EN 4531-002.

4.3 Panel cut-out

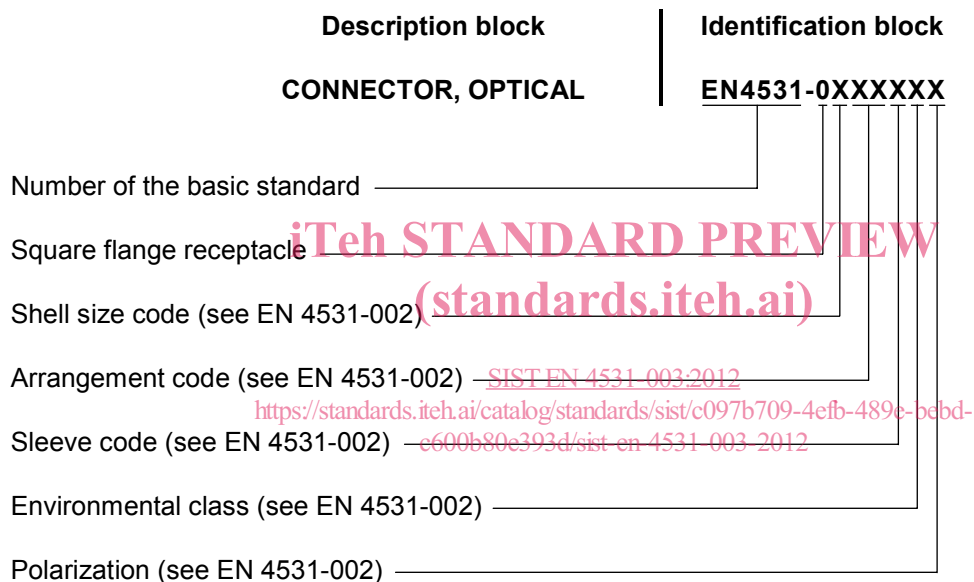
See EN 3645-003.

4.4 Optical, mechanical and climatic characteristics

See EN 4531-002.

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.