

5 YfcbUj h\_U! ?cbY hcfžcdh] b]žc\_fc[ `]žYbc\_UbUbjždf]\_`f Yb`g`gUa cnU`Ydb]a  
cVfc Ya žg`ghUbc`XYcj bc`hYa dYfUi fc`Xc`%`\$`š7`!`\$\$-`"XY.`DcXg`\_cd`j`h] b]WnU  
\_UY`j`g`\_UXi`n`9B`(`)`&fj`\_U\_bc`&\$\$`±a`#&,\$`±a`Ł!`GhUbxUfX`nUdfc]nj`cX

Aerospace series - Connector, optical, circular, single channel, coupled by self-locking ring, operating temperature up to 150 °C continuous - Part 009: Receptacle sub-assembly for cable to EN 4532 (200 µm/280 µm fibre) - Product standard

Luft- und Raumfahrt - Optischer Rundsteckverbinder einpolig Schraubkupplung, Betriebstemperatur 150 °C konstant - Teil 009: Steckerunterbaugruppe für Kabel nach EN 4532 (200 µm/280 µm Faser) - Produktnorm

[SIST EN 3733-009:2009](https://standards.iteh.ai/catalog/standards/sist/e1845a74-4c45-4c35-aeb6-000000000000/sist-en-3733-009-2009)

Série aérospatiale - Connecteur optique circulaire monovoie, à accouplement par bague fileté, température d'utilisation 150 °C continu - Partie 009 : Sous-ensemble embase pour câble EN 4532 (fibre 200 µm/280 µm) - Norme de produit

**Ta slovenski standard je istoveten z: EN 3733-009:2006**

**ICS:**

49.060 Š^c^ \ æš Ā^•[ |b \ æ Aerospace electric  
^|\ dā } æ ] !^ { æš Ā ā c { ā equipment and systems

**SIST EN 3733-009:2009****en,de**

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EUROPEAN STANDARD

**EN 3733-009**

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2006

ICS 49.060

English Version

**Aerospace series - Connector, optical, circular, single channel,  
coupled by self-locking ring, operating temperature up to 150 °C  
continuous - Part 009: Receptacle sub-assembly for cable to EN  
4532 (200 µm/280 µm fibre) - Product standard**

Série aérospatiale - Connecteur optique circulaire  
monovoie, à accouplement par bague fileté, température  
d'utilisation 150° C continu - Partie 009 : Sous-ensemble  
embase pour câble EN 4532 (fibre 200 µm/280 µm) -  
Norme de produit

Luft- und Raumfahrt - Optischer Rundsteckverbinder  
einpölig Schraubkupplung, Betriebstemperatur 150 °C  
konstant - Teil 009: Steckerunterbaugruppe für Kabel nach  
EN 4532 (200 µm/280 µm fiber) - Produktnorm

This European Standard was approved by CEN on 19 May 2006.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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

**Management Centre: rue de Stassart, 36 B-1050 Brussels**

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## Foreword

This European Standard (EN 3733-009:2006) 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 February 2007, and conflicting national standards shall be withdrawn at the latest by February 2007.

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, 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.

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**EN 3733-009:2006 (E)****1 Scope**

This standard specifies the characteristics of receptacle sub-assemblies for single channel fibre optic receptacle connectors for aerospace series single core optical cable in accordance with EN 4532, operating temperature up to 150 °C.

Connector interface dimensions, table of tests and qualification approval requirements, are contained in the Technical Specification EN 3733-001. EN 3733-002, List of product standards, includes the listings of product types, codification and applicable combinations of product types.

**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 2591-100, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 100: General.*

EN 3733-001, *Aerospace series — Connector, optical, circular, single channel, coupled by self-locking ring, operating temperature up to 150 °C continuous — Part 001: Technical specification.*<sup>1)</sup>

EN 3733-002, *Aerospace series — Connector, optical, circular, single channel, coupled by self-locking ring, operating temperature up to 150 °C continuous — Part 002: List of product standards.*<sup>1)</sup>

EN 3733-004, *Aerospace series — Connector, optical, circular, single channel, coupled by self-locking ring, operating temperature up to 150 °C continuous — Part 004: Receptacle, connector, four hole fixing for cable to EN 4532 — Product standard.*<sup>1)</sup>

EN 3733-005, *Aerospace series — Connector, optical, circular, single channel, coupled by self-locking ring, operating temperature up to 150 °C continuous — Part 005: Receptacle, connector, two hole fixing for cable to EN 4532 — Product standard.*<sup>1)</sup>

EN 3733-006, *Aerospace series — Connector, optical, circular, single channel, coupled by self-locking ring, operating temperature up to 150 °C continuous — Part 006: Receptacle, connector, jam nut fixing for cable to EN 4532 — Product standard.*<sup>1)</sup>

EN 4532, *Aerospace series — Cables, optical, single core 200 µm/280 µm fibre, 2,5 mm outer jacket — Technical specification.*<sup>1)</sup>

**3 Terms and definitions**

For the purposes of this standard, the terms and definitions given in EN 2591-100 apply.

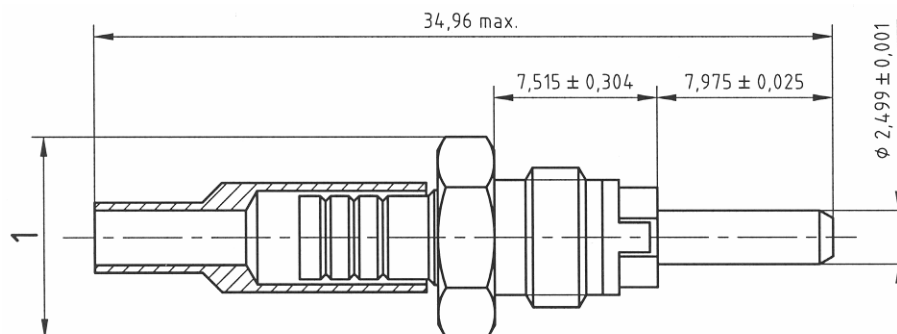
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<sup>1)</sup> Published as AECMA Prestandard at the date of publication of this standard.

## 4 Required characteristics

### 4.1 Dimensions and mass

Dimensions (in millimetres) shall be as shown in Figure 1.



#### Key

1 9,24 A/C max.

Figure 1

NOTE Terminated overall length (when assembled within a receptacle connector) assumes a maximum gap of 1 mm between crimp sleeve and rear nut.

Mass: 4,0 g max.

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**4.2 Materials** <https://standards.iteh.ai/catalog/standards/sist/e1845a74-4c45-4c35-aeb6-00b6114b4348/sist-en-3733-009-2009>

Zirconia ceramic, nickel-copper alloy metallic components.

### 4.3 Applicable combinations

This component is supplied as an integral part of products conforming to Product Standards EN 3733-004 to EN 3733-006 and is a deliverable spare part.

## 5 Designation

EXAMPLE

Description block	Identity block
SUB-ASSEMBLY, RECEPTACLE	EN3733-009B
Number of the basic standard _____	
Product standard (see EN 3733-002) _____	
Class (see EN 3733-001, Test fluids Class B) _____	

NOTE If necessary, the code I9005 may be placed between the description block and the identity block.

EN 3733-009:2006 (E)

## 6 Marking

Not applicable.

## 7 Technical specification

This component is qualified as part of a complete receptacle connector assembly when tested to the qualification requirements of EN 3733-001 and the applicable Product Standards.

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