



SLOVENSKI STANDARD

SIST EN 3733-101:2008

01-september-2008

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Aerospace series - Connector, optical, circular, single channel, coupled by self-locking ring, operating temperature up to 150 °C continuous - Part 101: Protective cover receptacle - Product standard

STANDARD PREVIEW

(standards.iteh.ai)

Luft- und Raumfahrt - Optischer Rundsteckverbinder einpolig Schraubkupplung, Betriebstemperatur 150 °C konstant, Teil 101: Schutzkappe für Steckdose - Produktnorm <https://standards.iteh.ai/catalog/standards/sist/ce8ed6dc-4da6-4068-8173-ae9eb928f968/sist-en-3733-101-2008>

Série aérospatiale - Connecteur optique circulaire monovoie, à accouplement par bague filetée, températures d'utilisation 150 °C continu - Partie 101: Bouchon de protection pour embase - Norme de produit

Ta slovenski standard je istoveten z: EN 3733-101:2008

ICS:

49.060 Ščelkavčne električne naprave in sistemov Aerospace electric
^| ^\ dā } až] !^{ až Áa c^{ až equipment and systems

SIST EN 3733-101:2008

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 3733-101

June 2008

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 101: Protective cover receptacle - Product
standard**

Série aérospatiale - Connecteur optique circulaire
monovoie, à accouplement par bague filetée, températures
d'utilisation 150 °C continu - Partie 101 : Bouchon de
protection pour embase - Norme de produit

Luft- und Raumfahrt - Optischer Rundsteckverbinder
einpolig Schraubkupplung, Betriebstemperatur 150 °C
konstant - Teil 101: Schutzkappe für Steckdose -
Produktnorm

This European Standard was approved by CEN on 14 March 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.

SIST EN 3733-101:2008

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

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Foreword

This document (EN 3733-101:2008) 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 December 2008, and conflicting national standards shall be withdrawn at the latest by December 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.

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1 Scope

This standard specifies the characteristics of protective covers for single channel fibre optic receptacle connectors four and two hole fixing, 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.*¹⁾

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.*

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.*

[SIST EN 3733-101:2008](https://standards.idb.org/cdr1/standards/ist/8a16d44b640688172)

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.*

3 Terms and definitions

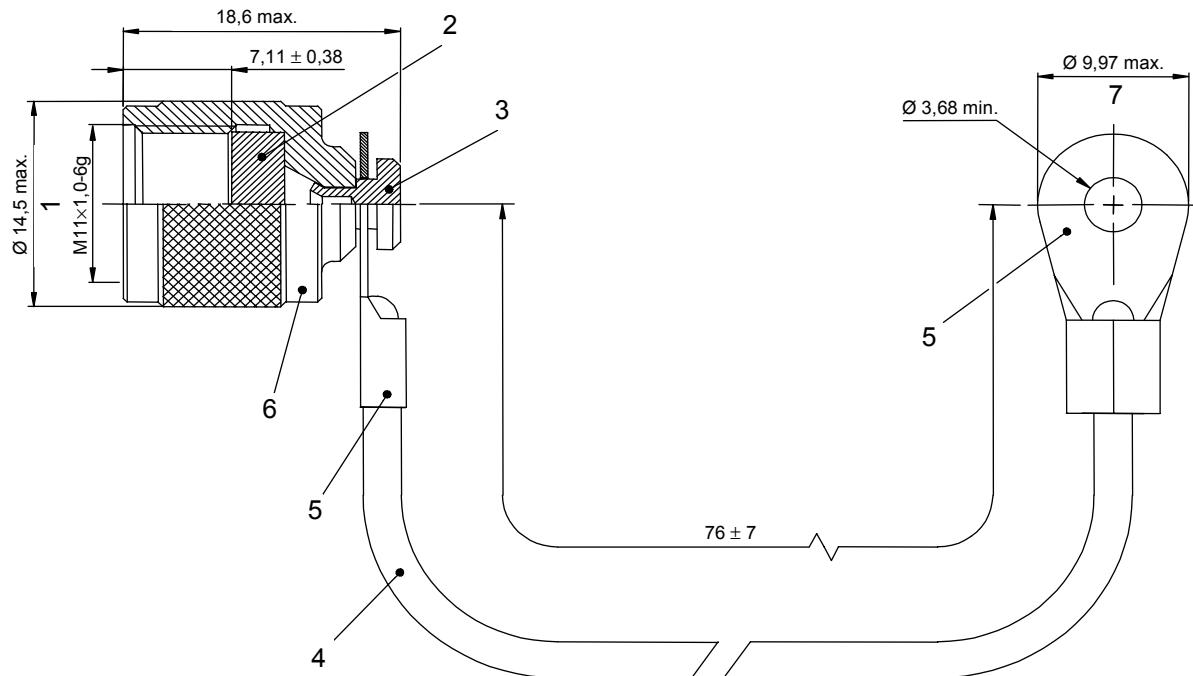
For the purposes of this document, the terms and definitions given in EN 2591-100 apply.

4 Required characteristics

4.1 Dimensions and mass

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

1) Published as ASD Prestandard at the date of publication of this standard.

**Key**

- 1 Over knurl
- 2 Seal
- 3 Cover rivet
- 4 Ø 3,2 cord
- 5 Eyelet
- 6 Cover shell
- 7 Size of fixing component (screw head or washer) not to exceed Ø 10,0 mm maximum.

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Mass: 17,9 g max.

Figure 1

4.2 Materials

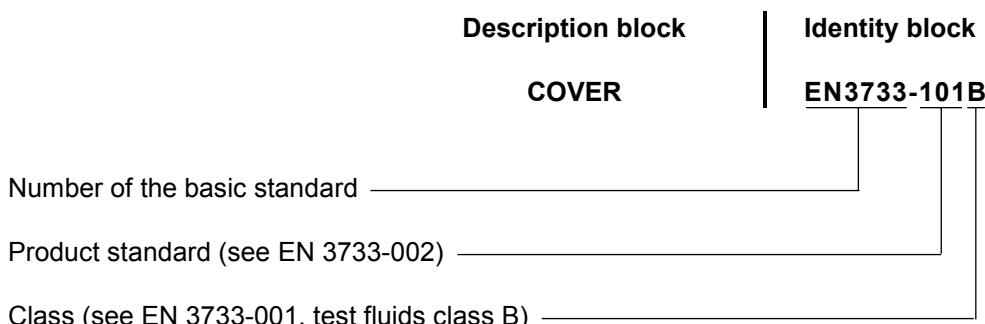
Nickel-copper alloy cover shell and rivet, nylon cord, fluorosilicone seal, cadmium plated copper eyelets.

4.3 Application combinations

This protective cover is for use with Product Standards conforming to EN 3733-004 and EN 3733-005. See EN 3733-002 for applicable combinations of protective covers and connectors.

5 Designation

EXAMPLE



NOTE 1 Part number spacing as shown is for clarity only.

NOTE 2 If necessary, the code I9005 may be placed between the description block and the identity block.

6 Marking

See EN 3733-001.

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Protective covers are qualified when tested to the applicable qualification requirements of EN 3733-001.

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