

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

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 4701-002:2016 sisaldab Euroopa standardi EN 4701-002:2016 ingliskeelset teksti.	This Estonian standard EVS-EN 4701-002:2016 consists of the English text of the European standard EN 4701-002:2016.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 30.11.2016.	Date of Availability of the European standard is 30.11.2016.
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English Version

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

Série aérospatiale - Connecteurs optiques
rectangulaires, modulaires, température d'utilisation
125 °C, pour contacts EN 4531-101 - Partie 002 :
Spécification de performances

Luft- und Raumfahrt - Optischer
Rechtecksteckverbinder in modularer Bauweise
Betriebstemperatur 125 °C, für EN 4531-101 Kontakte
- Teil 002: Leistungsdaten

This European Standard was approved by CEN on 29 July 2016.

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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.

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

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European foreword

This document (EN 4701-002:2016) 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 European 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 April 2017, and conflicting national standards shall be withdrawn at the latest by April 2017.

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This document supersedes EN 4701-002:2013.

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1 Scope

This European Standard defines the material used in the manufacturing of EN 4701 optical modules.

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 4165-022, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 022: Insertion/extraction tool for removal of modules — 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 multimode cable -55 °C to 125 °C — Product standard*

EN 4531-901, *Aerospace series — Connectors, optical, circular, single and multipin, coupled by triple start threaded ring — Flush contacts — Part 901: Filler plugs — Product standard*

EN 4641-100, *Aerospace series — Cables, optical 125 µm diameter cladding — Part 100: Tight structure 62,5/125 µm, core GI fibre 1,8 mm outside diameter — Product standard*

EN 4641-101, *Aerospace series — Cables, optical 125 µm diameter cladding — Part 101: Tight structure 62,5 µm core GI fibre 0,9 mm outside diameter — Product standard*

EN 4641-102, *Aerospace series — Cables, optical 125 µm outside diameter cladding — Part 102: Semi-loose 62,5/125 µm GI fibre nominal 1,8 mm outside diameter — Product standard*

EN 4641-103, *Aerospace series — Cables, optical 125 µm diameter cladding — Part 103: Semi-loose, ruggedized simplex construction 62,5/125 µm GI fibre nominal 2,74 mm, outside diameter — Product standard*

EN 4641-104, *Aerospace series — Cables, optical 125 µm diameter cladding — Part 104: Semi-loose, ruggedized duplex construction 62,5/125 µm GI fibre nominal, 4,95 mm outside diameter — Product standard*

EN 4641-105, *Aerospace series — Cables, optical 125 µm diameter cladding — Part 105: Semi-loose, ruggedized quadraxial construction 62,5/125 µm GI fibre nominal, 5,72 mm outside diameter — Product standard*

EN 4641-301, *Aerospace series — Cables, optical 125 µm diameter cladding — Part 301: Tight structure 50/125 µm GI fibre nominal 1,8 mm outside diameter — Product standard*

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

IEC 61300-3-33, *Fibre optic interconnecting devices and passive components — Basic test and measurement procedures — Part 3-33: Examinations and measurements — Withdrawal force from a resilient alignment sleeve using gauge pins* ¹⁾

1) Published by: IEC International Electrotechnical Commission (<http://www.iec.ch/>). Harmonized ad EN 61300-3-33.