

STN	Letectvo a kozmonautika. Optické kruhové jedno- a viackolíkové konektory spojené spojkou s trojnábehovým závitom. Zapustené kontakty. Časť 101: Optický kontakt na mnohovidový kábel od -55 °C do 125 °C podľa EN 4641. Norma na výrobok.	STN EN 4531-101
		31 1911

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

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/16

Obsahuje: EN 4531-101:2016

Oznámením tejto normy sa ruší
STN EN 4531-101 (31 1911) zo septembra 2012

122861

Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, 2016
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

EUROPEAN STANDARD

EN 4531-101

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2016

ICS 49.060

Supersedes EN 4531-101:2012

English Version

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

Série aérospatiale - Connecteurs optiques circulaires à accouplement par bague fileté à trois filets - Contacts affleurants - Partie 101: Contact optique pour câble multimode EN 4641 -55 °C à 125 °C - Norme de produit

Luft- und Raumfahrt - Optische Rundsteckverbinder mit dreigängiger Schraubkupplung - Bündige Kontakte - Teil 101: Optischer Kontakt für EN 4641-Multimodekabel, -55 °C bis 125 °C - Produktnorm

This European Standard was approved by CEN on 8 June 2015.

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, Former Yugoslav Republic of Macedonia, 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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

	Page
European Foreword	3
1 Scope	4
2 Normative references	4
3 Termini dimensions	5
4 General dimensions of the optical termini	6
4.1 Contact dimension and mass	6
4.2 Boot dimension	7
4.3 Material	7
5 Technical specification	8
6 Tests according to EN 2591-100	8
7 Cleaning instructions	9
8 Tooling	9
9 Termination instructions	10
10 Designation	10
Bibliography	11

European Foreword

This document (EN 4531-101:2016) 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 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 July 2016, and conflicting national standards shall be withdrawn at the latest by July 2016.

This document supersedes EN 4531-101:2012.

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.

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, Former Yugoslav Republic of Macedonia, 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.

1 Scope

This standard defines the performance and dimensions of optical PC profiled contact for multimode 62,5 micrometres/125 micrometres or 50 micrometres/125 micrometres fibre and $(1,8 \pm 0,1)$ mm diameter cable.

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 2591 (all parts), *Aerospace series — Elements of electrical and optical connection — Test methods*

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

EN 4533 (all parts), *Aerospace series — Fibre optic systems — Handbook*

EN 4641 (all parts), *Aerospace series — Cables, optical, 125 μ m diameter cladding*

TR 4646, *Aerospace series — Termination procedure for EN 4531 optical contact* ¹⁾

MIL-I-81969/8-10, *Installing and removal tools, connector electrical contact, types I and II, class 2, composition A* ²⁾

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

¹⁾ Published as ASD-STAN Technical Report at the date of publication of this European Standard (<http://www.asd-stan.org/>)

²⁾ Published by: DoD National (US) Mil. Department of Defense <http://www.defenselink.mil/>