



SLOVENSKI STANDARD

SIST EN 4640-003:2008

01-september-2008

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Aerospace series - Connectors, optical, rectangular, rack and panel, multicontact, 1,25 diameter ferrule, with removable alignment sleeve holder - Part 003: Plug optical connector - Product standard

STANDARD PREVIEW

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Luft- und Raumfahrt - Optischer Rechtecksteckverbinder, Gehäuse, Einschub, Steckverbinder, Multipin, Ferrulendurchmesser 1,25 mm, demontierbarer Zentrierhülsenhalter - Teil 003: Optischer stecker - Produktnorm

<https://standards.iteh.ai/standards/EN/4640-003-2008>
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Série aérospatiale - Connecteurs, optiques, rectangulraies, à contacts mutiples, rackales, férule diamètre 1,25, équipés d'un porte sleeve démontable - Partie 003: Fiche de connecteur optique - Norme de produit

Ta slovenski standard je istoveten z: EN 4640-003:2008

ICS:

49.060 Šca\ aš A^• [|b\ æ Aerospace electric
^|\ dā} aš]|^ { aš Aã c { ã equipment and systems

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English Version

Aerospace series - Connectors, optical, rectangular, rack and panel, multicontact, 1,25 diameter ferrule, with removable alignment sleeve holder - Part 003: Plug optical connector - Product standard

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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.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 4640-003:2008) 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 November 2008, and conflicting national standards shall be withdrawn at the latest by November 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 a plug optical connectors, rectangular, rack and panel, multicontact.

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 2424, *Aerospace series — Marking of aerospace products.*

EN 4640-001, *Aerospace series — Connectors, optical, rectangular, rack and panel, multicontact, 1,25 diameter ferrule, with removable alignment sleeve holder — Part 001: Technical specification.*¹⁾

EN 4640-002, *Aerospace series — Connectors, optical, rectangular, rack and panel, multicontact, 1,25 diameter ferrule, with removable alignment sleeve holder — Part 002: List of product standards.*¹⁾

ARINC Specification 600, *Air Transport Avionics Equipment Interfaces.*²⁾

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 4640-001 apply.

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4 Required characteristics

4.1 Dimensions

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4.1.1 Plug connector: Outer dimensions

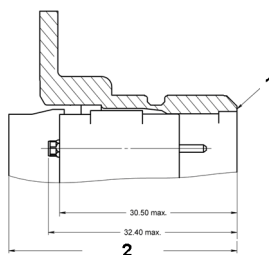
See ARINC Specification 600.

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

2) Published by: AERONAUTICAL RADIO, INC. 2551 Riva road, Annapolis, Maryland 21401-7435 USA.

4.1.2 Plug connector: Optical contact position

See Figure 1.



Key

- 1 Mechanical bottom of the plug
- 2 39 max. with grommet

NOTE Other dimensions in accordance with ARINC Specification 600.

Figure 1

4.2 Material and surface treatment

See ARINC Specification 600.

4.3 Optical, mechanical and climatic characteristics

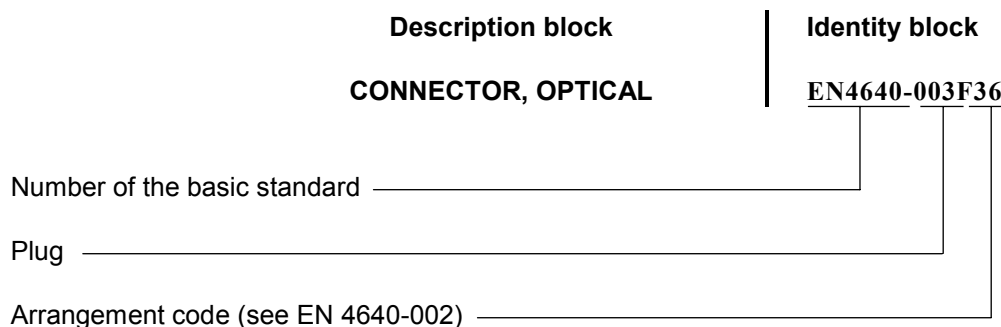
See EN 4640-002.

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5 Designation

EXAMPLE



6 Marking

The marking shall include the identification, 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 optical contact product standard. ³⁾

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3) Performance is directly linked to optical contact and fibre technology.