SLOVENSKI STANDARD
SIST EN 4644-003:2009

01-maj-2009

Aeronavtika - Konektor, elektriļ ni in optiļ ni, pravokotni, modularni, pravokotni vloģki, stalna delovna temperatura 175 ĄC - 003. del: Pravokotni vloģki - Standard za proizvod

Aerospace series - Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C continuous - Part 003: Rectangular inserts - Product standard

Luft- und Raumfahrt - Elektrische und optische Rechtecksteckverbinder, modular, rechteckige Kontakteinsätze, Dauerbetriebstemperatur 175 °C konstant - Teil 003: Rechteckige Kontakteinsätze - Produktnorm

Série aérospatiale - Connecteur, électrique et optique, rectangulaire, modulaire, à inserts rectangulaires, température de fonctionnement 175 °C continu - Partie 003 : Inserts rectangulaires - Norme de produit

Ta slovenski standard je istoveten z: EN 4644-003:2009

ICS:

49.060	Letalska in vesoljska elektriļ na oprema in sistemi	Aerospace electric equipment and systems

SIST EN 4644-003:2009 en

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 4644-003

March 2009

ICS 49.060

English Version

Aerospace series - Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C continuous - Part 003: Rectangular inserts - Product standard

Série aérospatiale - Connecteur, électrique et optique, rectangulaire, modulaire, à inserts rectangulaires, température de fonctionnement 175 °C continu - Partie 003: Inserts rectangulaires - Norme de produit

Luft- und Raumfahrt - Elektrische und optische Rechtecksteckverbinder, modular, rechteckige Kontakteinsätze, Dauerbetriebstemperatur 175 °C konstant - Teil 003: Rechteckige Kontakteinsätze - Produktnorm

This European Standard was approved by CEN on 7 February 2009.

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.

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: Avenue Marnix 17, B-1000 Brussels

Ref. No. EN 4644-003:2009: E

Contents

Page

Foreword

This document (EN 4644-003:2009) 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 September 2009, and conflicting national standards shall be withdrawn at the latest by September 2009.

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.

Introduction

The rectangular inserts defined by this standard are to be used in connectors defined by EN 4644-001.

1 Scope

This standard specifies the characteristics of rectangular inserts used in the family of electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C continuous, coupled by a locking mechanism or rack and panel.

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 4644-001, *Aerospace series — Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C continuous — Part 001: Technical specification.* [1)]

EN 4644-002, *Aerospace series — Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C continuous — Part 002: Specification of performance and contact arrangements.* [1)]

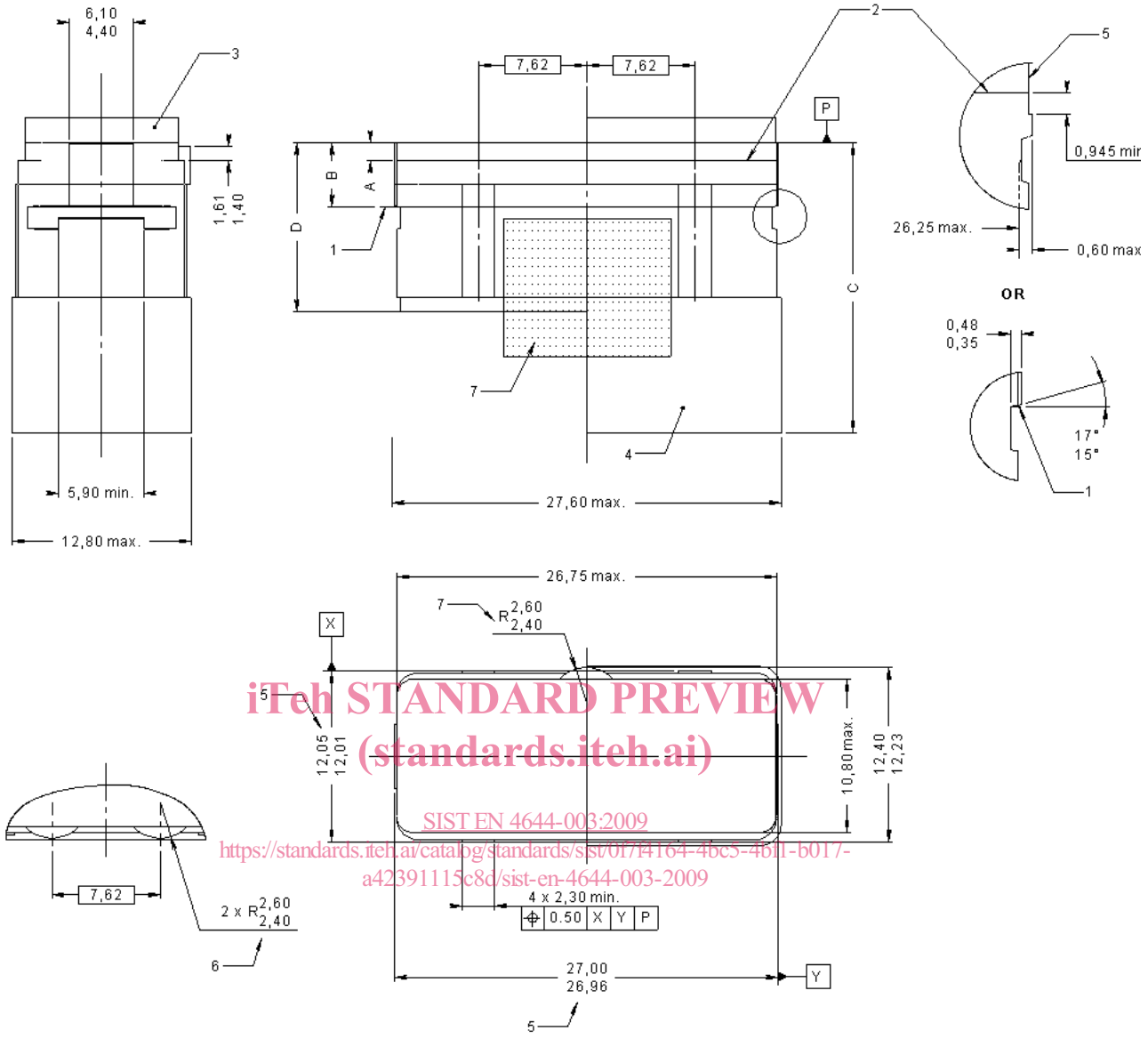
3 Terms, definitions, symbols and abbreviations

For the purposes of this document, the terms, definitions, symbols and abbreviations given in EN 4644-001 apply.

4 Requirements, dimensions and mass

See Figures 1 and Tables 1 and 2.

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



Key

1 Insert retention clip butting position
2 Front face of insert
3 Interfacial seal (on insert for pin contacts only)
4 Rear grommet
5 Dimension on ribs
6 For A or B keying
7 Marking area

Figure 1

Table 1

Dimensions in millimetres

		Insert for female contacts	Insert for male contacts
A		9,41 9,28	1,61 1,48
B		12,37 12,25	4,57 4,45
C	Insert without size 8 contact cavity	28,75 28,10	20,95 20,30
	Insert with size 8 contact cavity	29,75 29,12	20,95 20,30
D	Insert without size 8 contact cavity	20,00 19,84	12,20 12,04
	Insert with size 8 contact cavity	21,00 20,84	12,20 12,04

Table 2

	Environmental insert g	Non environmental insert g
Insert for pin contacts	10	8
Insert for socket contacts	12	10

5 Designation

EXAMPLE

Description block	Identity block
CONTACT, ELECTRICAL	EN4644-00306MAL

Standard number

Contact arrangement name (see EN 4644-002)

Contact type
- M : male contact
- F : female contact

Insert polarization

Contact delivery
- L : without crimp contacts
- S : with crimp contacts