



SLOVENSKI STANDARD SIST EN 3545-009:2008

01-september-2008

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Aerospace series - Connectors, electrical, rectangular, with sealed and non-sealed rear, plastic housing, locking device, operating temperatures - 55 °C to 175 °C - Part 009: Protective cover for plug and receptacle - Product standard

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Luft- und Raumfahrt - Elektrische Rechtecksteckverbinder mit und ohne hintere Abdichtung, Plastikgehäuse, Verriegelungssystem, Betriebstemperaturen von - 55 °C bis 175 °C - Teil 009: Schutzkappe für festen und freien Steckverbinder - Produktnorm

Série aérospatiale - Connecteurs électriques, rectangulaires, étanches et non étanches à l'arrière, à boîtier en plastique, à verrouillage, températures d'utilisation - 55 °C à 175 °C - Partie 009: Capot de protection pour fiche et embase - Norme de produit

Ta slovenski standard je istoveten z: EN 3545-009:2008

ICS:

49.060 Š^ca^ \ aš Ā^ [|b \ æ Aerospace electric
^|\ dā } aš] |^ { aš Ā ã c { ã equipment and systems

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ICS 49.060

English Version

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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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Foreword

This document (EN 3545-009:2008) 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 cover for plug and receptacle in the family of rectangular electrical connectors with sealed and non-sealed rear, plastic housing, locking device, for operating temperatures from – 55 °C to 175 °C.

The protective covers are not able to ensure a sealing in immersion condition.

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 3545-001, *Aerospace series — Connectors, electrical, rectangular, with sealed and non-sealed rear, plastic housing, locking device, operating temperatures – 55 °C to 175 °C — Part 001: Technical specification.*

EN 3545-002, *Aerospace series — Connectors, electrical, rectangular, with sealed and non-sealed rear, plastic housing, locking device, operating temperatures – 55 °C to 175 °C — Part 002: Specification of performance and contact arrangements.*

EN 3545-005, *Aerospace series — Connectors, electrical, rectangular, with sealed and non-sealed rear, plastic housing, locking device, operating temperatures – 55 °C to 175 °C — Part 005: Female coding and attachment system for mounting on free housing (plug) — Product standard.*

EN 3545-006, *Aerospace series — Connectors, electrical, rectangular, with sealed and non-sealed rear, plastic housing, locking device, operating temperatures – 55 °C to 175 °C — Part 006 : Male coding and attachment system for mounting on fixed housing (receptacle) — Product standard.*

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3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 3545-001 apply.

4 Required characteristics

4.1 Dimensions and mass

See Figure 1.

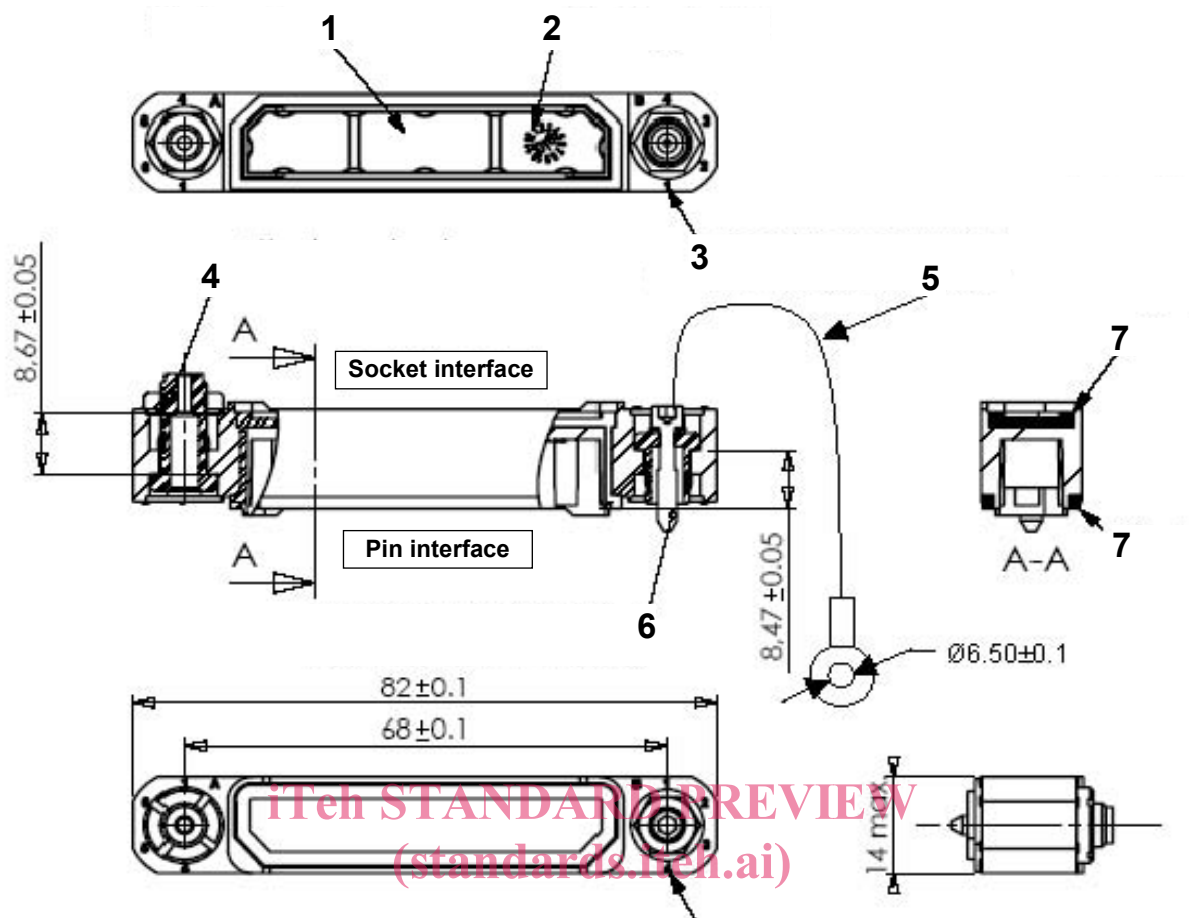
Dimensions and tolerances are in millimetres.

Mass:

- with attachments: 19 g max.;
- without attachment: 9 g max.

The female attachment system corresponds to EN 3545-005 without the locating coding device (half moon), see Figure 2.

The male attachment system corresponds to EN 3545-006 without the locating coding device (half moon), see Figure 3.



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Key

- | | |
|---|--|
| 1 Part number | 5 Optional chain or cable (length (80 ± 5) mm) |
| 2 Molding batch | 6 Attachment system for mounting on free housing |
| 3 Codable for mounting connector with pins | 7 Seal |
| 4 Attachment system for mounting on fixed housing | 8 Codable for mounting connector with sockets |

Figure 1



Figure 2 — Female attachment system



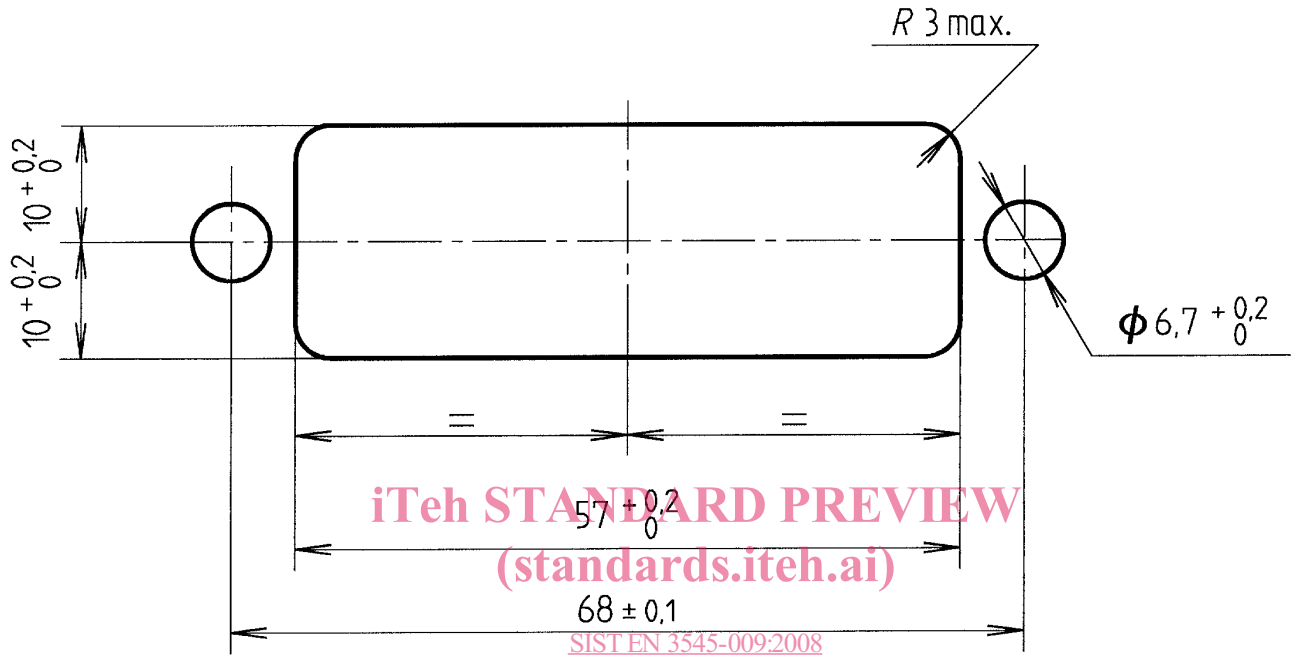
Figure 3 — Male attachment system

4.2 Recommended panel cut-out for fixed housing (receptacle) fitted with male attachment system

See Figure 4.

Maximum thickness of panel: 1,6

Minimum pitch between connectors: 14,2



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Figure 4

4.3 Main general characteristics

See EN 3545-002.

5 Designation

EXAMPLE

