



BSI Standards Publication

**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

**National foreword**

This British Standard is the UK implementation of EN 3545-005:2014. It supersedes BS EN 3545-005:2006 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee ACE/6, Aerospace avionic electrical and fibre optic technology.

A list of organizations represented on this committee can be obtained on request to its secretary.

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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 005: Female coding and attachment System for mounting on free housing (plug) - Product standard**

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 005: Système de fixation et de codage femelle pour montage sur boîtier mobile (fiche) - Norme de produit

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## **Foreword**

This document (EN 3545-005:2014) 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 document supersedes EN 3545-005:2006.

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of an identical text or by endorsement, at the latest by June 2015, and conflicting national standards shall be withdrawn at the latest by June 2015.

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.

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## 1 Scope

This European Standard specifies the female coding and attachment system for mounting on free housing in the family of rectangular electrical connectors with sealed and non-sealed rear, plastic housing, locking device, for operating temperatures from  $-55\text{ }^{\circ}\text{C}$  to  $175\text{ }^{\circ}\text{C}$ .

## 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 3545-001, *Aerospace series — Connectors, electrical, rectangular, with sealed and non-sealed rear, plastic housing, locking device, operating temperatures  $-55\text{ }^{\circ}\text{C}$  to  $175\text{ }^{\circ}\text{C}$  — Part 001: Technical specification*

EN 3545-002, *Aerospace series — Connectors, electrical, rectangular, with sealed and non-sealed rear, plastic housing, locking device, operating temperatures  $-55\text{ }^{\circ}\text{C}$  to  $175\text{ }^{\circ}\text{C}$  — Part 002: Specification of performance and contact arrangements*

FED-STD-H28/2A:1978, *Screw thread standards for federal services* <sup>1)</sup>

## 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, mass

The dimensions of attachment system are given in Figure 1.

Dimensions and tolerances are in millimetres.

Mass: 3 g max.

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<sup>1)</sup> DoD National (US) Mil. Department of Defense (<http://www.defenselink.mil/>).