



BSI Standards Publication

Aerospace series — Electrical contacts used in elements of connection

Part 045: Contacts, electrical, female, type A, double crimping, class T — Product standard

National foreword

This British Standard is the UK implementation of EN 3155-045:2019. It supersedes BS EN 3155-045:2006, which is withdrawn.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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English Version

Aerospace series - Electrical contacts used in elements of connection - Part 045: Contacts, electrical, female, type A, double crimping, class T - Product standard

Série aérospatiale - Contacts électriques utilisés dans les organes de connexion - Partie 045 : Contacts électriques, femelles, type A, double sertissage, classe T - Norme de produit

Luft- und Raumfahrt - Elektrische Kontakte zur Verwendung in Verbindungselementen - Teil 045: Elektrischer Buchsenkontakte, Typ A, Doppel Crimpung, Klasse T - Produktnorm

This European Standard was approved by CEN on 26 August 2019.

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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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN 3155-045:2019) 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of an identical text or by endorsement, at the latest by June 2020, and conflicting national standards shall be withdrawn at the latest by June 2020.

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1 Scope

This document specifies the required characteristics, tests and tooling applicable to female electrical contacts 045, type A, double crimping, class T, used in elements of connection according to EN 3155-002.

It shall be used together with EN 3155-001.

The associated male contact is defined in EN 3155-044.

Double crimping contact has a barrel which is design to crimp conductor and jacket of cable in two locations, one on the conductor and the other on the jacket. This way protect the conductor from mechanical strengths.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 2083, *Aerospace series — Copper or copper alloy conductors for electrical cables — Product standard*

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

EN 2997-001, *Aerospace series — Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures – 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak — Part 001: Technical specification*

EN 3155-001, *Aerospace series — Electrical contacts used in elements of connection — Part 001: Technical specification*

EN 3155-002, *Aerospace series — Electrical contacts used in elements of connection — Part 002: List and utilization of contacts*

EN 3155-044, *Aerospace series — Electrical contacts used in elements of connection — Part 044: Contacts, electrical, male 044, type A, double crimping, class T — Product standard*

EN 4434, *Aerospace series — Copper or copper alloy lightweight conductors for electrical cables — Product standard (Normal and tight tolerances)*

SAE-AS22520, *Crimping tools, wire termination, general specification for 1)*

SAE-AS81969, *Installing and removal tools, connector electrical contact, general specification for 1)*

1) Published by: SAE National (US) Society of Automotive Engineers, <http://www.sae.org/>