



NSAI
Standards

Irish Standard

I.S. EN 3155-003:2019&LC:2020-02

Aerospace series - Electrical contacts used
in elements of connection - Part 003:
Contacts, electrical, female, type A, crimp,
class S - Product standard

I.S. EN 3155-003:2019&LC:2020-02

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National Foreword

I.S. EN 3155-003:2019&LC:2020-02 is the adopted Irish version of the European Document EN 3155-003:2019, Aerospace series - Electrical contacts used in elements of connection - Part 003: Contacts, electrical, female, type A, crimp, class S - Product standard

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Correction Notice

Reference: EN 3155-003:2019

Title: Aerospace series — Electrical contacts used in elements of connection — Part 003: Contacts, electrical, female, type A, crimp, class S — Product standard

Work Item: 04004029

Brussels, 2020-02-05

Please include the following minor editorial correction(s) in the document related to:

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It has been brought to our attention that this document, issued on 2019-12-23, requires modification.

There were figures wrongly inserted between the Figure 1 and its key text (already corrected by a letter of correction on 2020-01-22)

Page 3: page break inserted between European foreword and Scope

Page 5: page break inserted before 4.2

Page 8: page break inserted after figure 6 (text “optional design” should be above “figure 7”)

Page 10: page break inserted between table 1 and 4.3

Page 11: page break inserted before 4.5

Page 13: page break inserted before table 4 (font changed to 9pt so that table remains on 1 page)

Page 17: page break inserted before table 8 (font changed to 9pt so that table remains on 1 page)

Page 20: unnecessary vertical line removed from designation figure

Please find enclosed the updated English version.

We apologise for any inconvenience this may cause.

Correction Notice

Reference: EN 3155-003:2019

Title: Aerospace series - Electrical contacts used in elements of connection - Part 003: Contacts, electrical, female, type A, crimp, class S - Product standard

Work Item: 04004029

Brussels, 2020-01-21

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There were figures wrongly inserted between the Figure 1 and its key text.

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 3155-003

October 2019

ICS 49.060

Supersedes EN 3155-003:2005

English Version

**Aerospace series - Electrical contacts used in elements of
connection - Part 003: Contacts, electrical, female, type A,
crimp, class S - Product standard**

Série aérospatiale - Contacts électriques utilisés dans
les organes de connexion - Partie 003 : Contacts
électriques, femelles, type A, à sertir, classe S - Norme
de produit

Luft- und Raumfahrt - Elektrische Kontakte zur
Verwendung in Verbindungselementen - Teil 003:
Elektrische Buchsenkontakte, Typ A, crimpbar, Klasse
S - Produktnorm

This European Standard was approved by CEN on 15 April 2019.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

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EN 3155-003:2019 (E)

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European foreword

This document (EN 3155-003:2019) 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 April 2020, and conflicting national standards shall be withdrawn at the latest by April 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 3155-003:2005.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 3155-003:2019 (E)

1 Scope

This document specifies the required characteristics, tests and tooling applicable to female electrical contacts 003, type A, crimp, class S used in elements of connection according to EN 3155-002.

It shall be used together with EN 3155-001.

The associated male contacts are defined in EN 3155-008.

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*

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 3155-008, *Aerospace series — Electrical contacts used in elements of connection — Part 008: Contacts, electrical, male, type A, crimp, class S — Product standard*

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 4165-001, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 001: Technical specification*

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

ISO 8843, *Aircraft — Crimp-removable contacts for electrical connectors — Identification system*¹⁾

SAE-AS 22520, *Crimping tools, wire termination, general specification* for²⁾

SAE-AS 81969, *Installing and removal tools, connector electrical contact, general specification* for²⁾

TR 4837, *Aerospace series — Applicable crimping tools for electrical contact product standards EN 3155-003, EN 3155-008 and EN 3155-009 for contact size # 10 and barrel size # 10 only*³⁾

1) Published by: ISO International Organization for Standardization, <http://www.iso.ch/>

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

3) Published as ASD-STAN Technical Report at the date of publication of this standard by AeroSpace and Defence industries Association of Europe - Standardization (ASD-STAN), www.asd-stan.org

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