SLOVENSKI STANDARD
SIST EN 3155-003:2026

01-maj-2026

Aeronavtika - Električni kontakti za vezne elemente - 003. del: Kontakti, električni, ženski, tip A, kodrasti, razred S - Standard za proizvod

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

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

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

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Ta slovenski standard je istoveten z: **EN 3155-003:2026**

ICS:

49.060	Letalska in vesoljska električna oprema in sistemi	Aerospace electric equipment and systems

SIST EN 3155-003:2026 **en,fr,de**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 3155-003

March 2026

ICS 49.060

Supersedes EN 3155-003:2019

English Version

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

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

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

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European foreword

This document (EN 3155-003:2026) has been prepared by ASD-STAN.

After enquiries and votes carried out in accordance with the rules of this Association, this document has received the approval of the National Associations and the Official Services of the member countries of ASD-STAN, 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of an identical text or by endorsement, at the latest by September 2026, and conflicting national standards shall be withdrawn at the latest by September 2026.

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 3155-003:2019.

EN 3155-003:2026 includes the following significant technical changes with respect to EN 3155-003:2019:

— normative references updated;

— Figure 1 “Connector contact” extended;

— document extended by contact size 23;

— document editorially revised.

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Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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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 in accordance with EN 3155-002.

It is used together with EN 3155-001.

The associated male contacts are specified 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 2591-101, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 101: Visual examination*

EN 2591-102, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 102: Examination of dimensions and mass*

EN 2591-201, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 201: Contact resistance — Low level*

EN 2591-202, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 202: Contact resistance at rated current*

EN 2591-204, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 204: Discontinuity of contacts in the microsecond range*

EN 2591-210, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 210: Electrical overload*

EN 2591-301, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 301: Endurance at temperature*

EN 2591-305, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 305: Rapid change of temperature*

EN 2591-307, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 307: Salt mist*

EN 2591-402, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 402: Shock*

EN 2591-403, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 403: Sinusoidal and random vibration*

EN 2591-406, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 406: Mechanical endurance*

EN 2591-415, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 415: Test probe damage (female contacts)*

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EN 2591-417, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 417: Tensile strength (crimped connection)*

EN 2591-418, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 418: Gauge insertion/extraction forces (female contacts)*

EN 2591-502, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 502: Restricted entry*

EN 2591-503, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 503: Contact deformation after crimping*

EN 2591-507, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 507: Plating porosity*

EN 2591-508, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 508: Measurement of thickness of coating on contacts*

EN 2591-509, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 509: Adhesion of coating on contacts*

EN 2591-513, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 513: Magnetic permeability*

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

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

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EN 3545 (all parts), *Aerospace series — Connectors, electrical, rectangular, with sealed and non-sealed rear, plastic housing, locking device, operating temperatures –55 °C to 175 °C*

EN 4165 (all parts), *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous*

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*

SAE AS22520,[1] *Crimping Tools, Wire Termination, General Specification For*

SAE AS81969,[1] *Installing and Removal Tools, Connector Electrical Contact, General Specification for*

TR 4837,[2] *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*

[1] Published by Society of Automotive Engineers (SAE), available at: https://www.sae.org/.
[2] Published as ASD-STAN TR, available at: https://www.asd-stan.org.

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